

Lumos, *end-to-end.*

Nine areas — from first install to themes, components, and domain surfaces. Every page is built from the live @tarva/ui library and the Lumos token system.

01

Getting Started

Install, theme setup, and your first component.

setup

02

Foundations

Color, type, spacing, motion — the tokens every component reads.

11 token sets

03

Components

Buttons, inputs, cards, overlays — the UI atoms and molecules.

117 components

04

Patterns

Composed recipes — forms, filtering, empty states, flows.

5 recipe families

05

Layout & Shell

AppShell, TopBar, Sidebar, PageHeader — the frame around the app.

the app frame

06

Data Grid

TanStack + AG-Grid adapters with shared cell renderers.

2 adapters

07

Domain

AgentCards, pipeline, sub-portal — product-surface composites.

the product layer

08

Charts

Cartesian, hierarchy, network, radial, statistical — on visx + d3.

22 types · 5 families

09

Themes

Color schemes, light / dark, and the theme matrix.

12 schemes

GETTING STARTED

Start *here.*

Everything you need to ship with Tarva UI in the Lumos theme — install the package, wrap your app, and render your first surface — then a map of where every component lives.

·01

Welcome

What the library is, the design baseline, and the Lumos theme.

read first

·02

Install

One package, four peer dependencies, optional data-grid peers.

npm install

·03

Theming

Wrap the app, load the Lumos tokens + fonts, toggle light / dark.

providers

·04

First component

Import a component and render your first Lumos surface.

copy & paste

·05

The map

How the nine roots are organized — where every component lives.

orientation



What this *is*.

Tarva UI is a unified component library — Radix UI primitives, class-variance-authority variants, and Tailwind — with a two-layer theme system: light / dark mode × color schemes. Lumos is one of those schemes.

One library, every surface

494 components consolidated from across the Tarva products into a single cohesive system. Radix for behavior, CVA for variants, Tailwind for utilities, `cn()` for class merging.

Two-layer theming

Mode (light / dark, via `next-themes`) × color scheme. A token change re-skins every component, regression-locked against the theme matrix.

Lumos · the warm-editorial scheme

Editor’s Note display over Be Vietnam Pro body, terracotta on parchment — a register that stays calm, exact, and never loud.

DESIGN BASELINE · SEMANTIC SURFACES

	<code>--background</code>	bg
	<code>--card</code>	surface
	<code>--foreground</code>	primary
	<code>--accent</code>	accent
	<code>--muted-foreground</code>	muted
	<code>--border</code>	border

WHERE TO GO NEXT

[Foundations — the tokens every component reads →](#)

[Components — the full catalog](#) PLANNED

[Themes — schemes, light / dark, the matrix](#) PLANNED



Add the *package*.

One package and four peer dependencies. Add the data-grid peers only if you use the grid; everything else ships in the core.

1 · CORE + PEER DEPENDENCIES

● Terminal

```
# the library
npm install @tarva/ui

# required peers
npm install react react-dom tailwindcss next-themes
```

2 · OPTIONAL PEERS – ONLY WHAT YOU USE

● Terminal

```
# headless data grid (MIT, recommended)
npm install @tanstack/react-table @tanstack/react-virtual

# enterprise grid (opt-in)
npm install ag-grid-community ag-grid-react
```

3 · LOAD THE LUMOS THEME

● app/layout.tsx

```
// after your Tailwind layers – ships with the Lumos theme package
import '@tarva/ui/styles.css';
import '@tarva/ui/themes/lumos-aesthetics-wellness/tokens.css';
import '@tarva/ui/themes/lumos-aesthetics-wellness/fonts.css';
```

That is the whole install.

Core components, the token system, and the self-hosted Editor's Note + Be Vietnam Pro faces are now available. Theming comes next.



Wrap it *once*.

One provider, set at the root. ThemeProvider owns both layers – light / dark and the color scheme. Name Lumos and every component follows.

APP/LAYOUT.TSX

● app/layout.tsx

```
// app/layout.tsx – one provider owns both layers
import { ThemeProvider } from '@tarva/ui/providers';

export default function RootLayout({ children }) {
  return (
    <ThemeProvider
      colorScheme="lumos-aesthetics-wellness"
      defaultTheme="system"
      enableSystem
    >
      {children}
    </ThemeProvider>
  );
}
```

THE TWO LAYERS

Mode

Light / dark, owned by next-themes on the `class` attribute. Every role resolves a value per mode.

Color scheme

The `colorScheme` prop, applied as `data-color-scheme`. Lumos is one scheme; swap it and the whole surface re-skins – no component changes.

Switch at runtime

Both providers expose hooks, so a settings toggle can flip mode or scheme live.



Render a *surface*.

Import what you need and render — no color props, no theme wiring. Here is an appointment row: a Card wrapping a status badge and a primary action, themed by Lumos automatically.

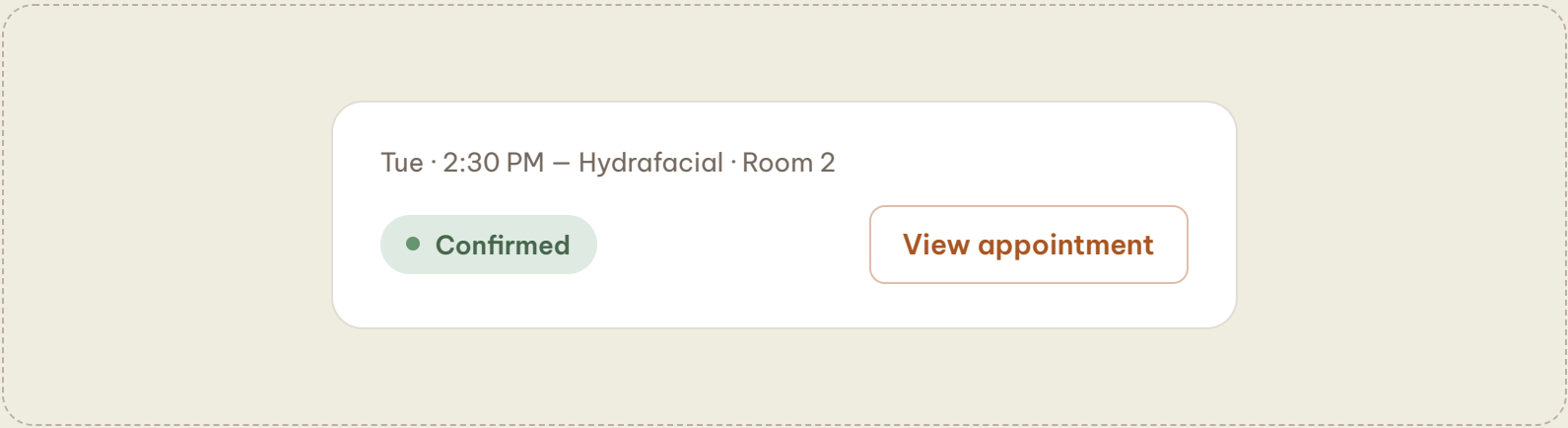
COMPONENT

AppointmentRow.tsx

```
import { Button, Card, CardContent, StatusBadge }
  from '@tarva/ui';

export function AppointmentRow() {
  return (
    <Card>
      <CardContent className="flex items-center justify-between">
        <StatusBadge status="active">Confirmed</StatusBadge>
        <Button variant="ghost-terracotta">View appointment</Button>
      </CardContent>
    </Card>
  );
}
```

RENDERED · LUMOS LIGHT



The theme decides the color.

status="active" resolves to moss; variant="ghost-terracotta" renders the CTA with its label in terracotta — never a solid fill. Swap the scheme and this same markup re-skins.



Nine ways *in.*

The sidebar is nine stable roots, ordered the way you build — orientation first, then the primitives, the components, how they compose, and the product surfaces on top. The names sit where you would expect them, and each root opens with its own Overview.

THE NINE ROOTS

¹ Getting Started

Orientation — you are here.

² Foundations

Tokens: color, type, spacing, motion.

³ Components

The full catalog, grouped by function.

⁴ Patterns

Composed, opinionated recipes.

⁵ Layout & Shell

AppShell, Sidebar, TopBar, PageHeader.

⁶ Data Grid

AG-Grid, cell renderers, adapters.

⁷ Domain

Product surfaces unique to Tarva.

⁸ Charts

Cartesian, radial, hierarchy, network.

⁹ Themes

Scheme matrices + theme tooling.

`data-slot` on every interactive root — identification + testing. CVA variants · machine-readable in `component` reference. `cn()` merges classes (`clsx` + `tailwind-merge`).

FOUNDATIONS

The *primitives*.

Foundations are the design primitives that are *not* components — the tokens every component reads from. Eleven token sets, data-driven from source so a token change propagates everywhere.

·01

Overview

Token-system orientation — modes, schemes, the two layers.

·02

Colors

Primary, secondary, status, and the full ramp set — with HEX / RGB / CMYK.

·03

Typography

The two typefaces, the scale, weights, and hierarchy in use.

·04

Spacing

The 4px base scale — eleven steps for every gap and pad.

·05

Radius

Five corner radii — soft, restrained, never sharp.

·06

Elevation

Shadow / surface elevation.

·07

Motion

Duration, easing, and distance constants.

·08

Density

The data-density scale.

·09

FocusRing

Focus-visible ring tokens.

·10

Grid

Layout grid tokens.

·11

Validation

Input state tokens — error / warning / success.

data-driven · Lumos design tokens



TOKENS

One source, *every surface*.

Tokens are the primitives every component reads from. They resolve in three tiers – raw ramps become semantic roles become component values – so one change propagates everywhere, audited across light and dark.

TIER 1 · PRIMITIVES

The ramps

Eight warm-editorial ramps × ten steps. The raw material – never used directly in components.



terracotta · obsidian · parchment ...



TIER 2 · SEMANTIC

The roles

Role tokens + status anchors. --accent, --bg-canvas, --fg-primary – what design and engineers actually reference.

--accent → terracotta-500

--bg-canvas → parchment-500



TIER 3 · COMPONENT

The surface

Components bind only to semantic roles, plus derived intent tokens for status surfaces. No hard-coded color, ever.

Button · uses --accent

Banner · uses intent

80

PRIMITIVES · 8 × 10

22

SEMANTIC ROLES

5

STATUS ANCHORS

30

INTENT TOKENS

2

LAYERS · MODE × SCHEME

Mode

Light / dark, via next-themes. Every role resolves a value per mode.
Tokens · one source, every surface

Color scheme

Lumos is one scheme on the two-layer generator – switchable, regression-locked against the theme matrix.

Tarva BXD · 2026-06-23



TOKENS · COLORS · PRIMARY

The brand, in *three*.

Terracotta is the only action color. Obsidian and parchment carry everything else. Three colors hold the whole identity — HEX, RGB, and print-approximate CMYK for each.

500

Terracotta

--accent

Brand · the one action cue. CTAs, links, active states — never ornament.

HEX	#A85522
RGB	168, 85, 34
CMYK	C0 M49 Y80 K34

500

Obsidian

--fg-primary

Foreground · headings, body copy, default icons.

HEX	#1A191B
RGB	26, 25, 27
CMYK	C4 M7 Y0 K89

500

Parchment

--bg-canvas

Canvas · the warm page ground.

HEX	#EFEDE0
RGB	239, 237, 224
CMYK	C0 M1 Y6 K6



The quiet *pair*.

Two warm neutrals do the supporting work — driftwood for edges and structure, white for raised surfaces. Lumos keeps a tight palette, so there is no separate tertiary.

500

Driftwood

--fg-muted · --border

Muted · borders, dividers, dots. Never body text — fails AA.

HEX	#AB998A
RGB	171, 153, 138
CMYK	C0 M11 Y19 K33

—

White

--bg-surface

Surface · cards, panels, raised areas.

HEX	#FFFFFF
RGB	255, 255, 255
CMYK	— (paper)

No tertiary.

A deliberately tight palette. Two warm neutrals carry the supporting weight and the status hues handle the rest. Partner colors are neutralized against parchment — never blended with the accent.

TOKENS · COLORS · STATUS

The *signals*.

Four hues for state — success, warning, danger, info — tuned into the warm-muted register so they read as calm, not alarming. They drive tints and fills, always with a shape and a label — never small body text on their own.

500

Moss

`--status-success`

Success · confirmed, positive.

HEX	#67956F
RGB	103, 149, 111
CMYK	C31 M0 Y26 K42

3.4:1 · **AA Large** on white

500

Amber

`--status-warning`

Warning · caution, attention.

HEX	#CB7F3F
RGB	203, 127, 63
CMYK	C0 M37 Y69 K20

3.2:1 · **AA Large** on white

500

Rust

`--status-danger`

Danger · error, destructive.

HEX	#B55B52
RGB	181, 91, 82
CMYK	C0 M50 Y55 K29

4.6:1 · **AA** on white

500

Stone

`--status-info`

Info · neutral, informational.

HEX	#5570A3
RGB	85, 112, 163
CMYK	C48 M31 Y0 K36

5.0:1 · **AA** on white

Color is never the only signal. Every status pairs the hue with a **shape and a label** — meaning never rides on color alone.

TOKENS · COLORS · RAMPS

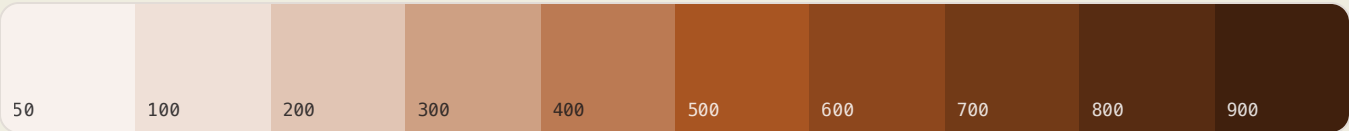
The *ramps*.

Every named color resolves to a ten-step ramp, 50 → 900. The raw material the semantic layer draws from — eight ramps, eighty values.

PRIMITIVE RAMPS · 50 → 900

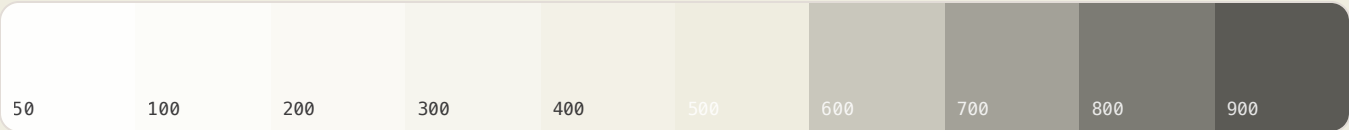
Terracotta

brand · accent



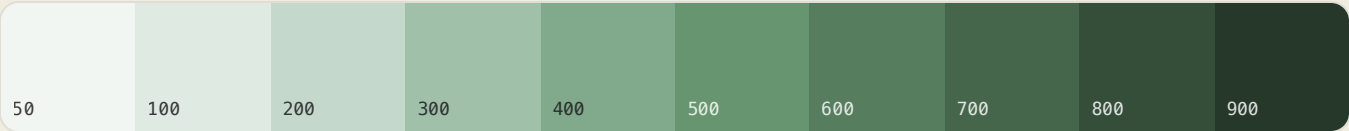
Parchment

canvas



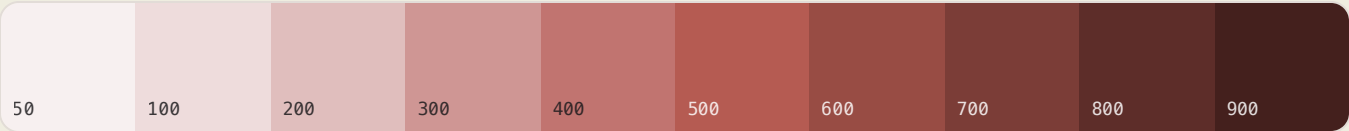
Moss

success



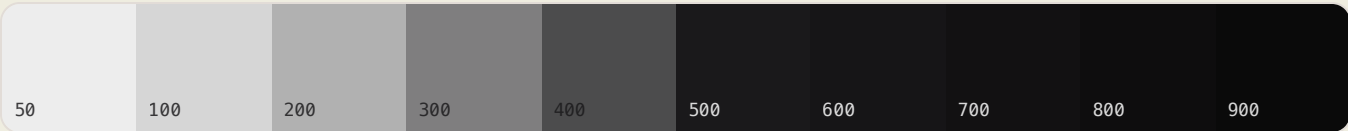
Rust

danger



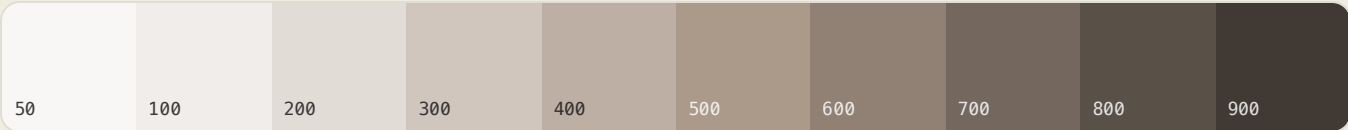
Obsidian

foreground



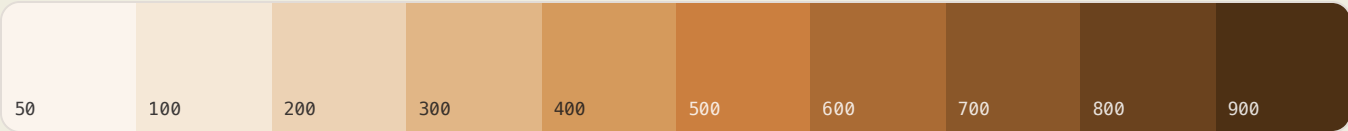
Driftwood

muted · border



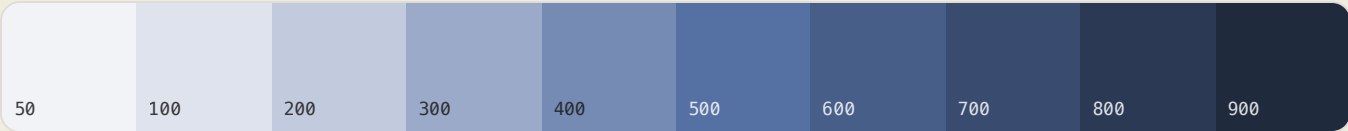
Amber

warning



Stone

info





Two faces, one *voice*.

Editor's Note sets every headline; Be Vietnam Pro carries everything else; a monospace handles data. Three roles, never a third display face.

Aa

Editor's Note

Display · high-contrast serif

Headlines and the one accent word — the brand's editorial voice. Never body text.

Regular · Italic · --font-display

Aa

Be Vietnam Pro

Body · humanist sans

Everything that isn't a headline — body, labels, UI. Calm and legible at every size.

Regular · SemiBold · Bold · --font-body

0123

SFMono · ui-monospace — --font-mono. Data only: numbers, tokens, code. Never prose.

TOKENS · TYPOGRAPHY · SCALE

The *scale*.

One ramp, two faces. Display sizes set in Editor's Note; the text ramp in Be Vietnam Pro — with the px, rem, and scale-token name for each.

DISPLAY · EDITOR'S NOTE

Calm, exact.

4xl
48px · 3rem
Marketing display

Calm, exact.

Display H1
44px · 2.75rem
Page hero

Calm, exact.

Display H2
32px · 2rem
Section title

Calm, exact.

Display H3
23px · 1.438rem
Subsection

TEXT · BE VIETNAM PRO

Calm, exact, never loud.

xl
28px · 1.75rem
Large heading

Calm, exact, never loud.

lg
23px · 1.438rem
Lead / intro

Calm, exact, never loud.

md
19px · 1.188rem
Emphasis body

Calm, exact, never loud.

base
16px · 1rem
Body default

Calm, exact, never loud.

sm
14px · 0.875rem
Secondary / UI

Calm, exact, never loud.

xs
12px · 0.75rem
Caption / meta

TOKENS · TYPOGRAPHY · WEIGHTS

Weight & *style.*

A short, deliberate set — two display cuts, three body weights. Restraint keeps the system legible and the brand consistent.

Calm, exact, never loud.

Editor’s Note Regular
400
Display headlines

Calm, exact, never loud.

Editor’s Note Italic
400 · italic
The accent word

Calm, exact, never loud.

Be Vietnam Pro Regular
400
Body copy

Calm, exact, never loud.

Be Vietnam Pro SemiBold
600
Emphasis · labels

Calm, exact, never loud.

Be Vietnam Pro Bold
700
Strong emphasis



TOKENS · TYPOGRAPHY · HIERARCHY

In *composition.*

The faces, sizes, and weights in one place — how a Lumos surface reads from top to bottom.

A SURFACE, READ TOP TO BOTTOM

WELLNESS · JOURNAL

A calmer *standard.*

How Lumos brings editorial restraint to the treatment room — without the clinical chill.

Body copy sits in Be Vietnam Pro, line-height 1.6, so longer reads stay comfortable. Emphasis comes from weight, not a second face.

Be Vietnam Pro · 12px · --text-xs · caption

PAIRING RULES

- 01 **Editor's Note for display only**
Headlines and the single italic accent word. Never body or UI.
- 02 **Be Vietnam Pro for everything else**
Body, leads, labels, captions, UI. Emphasis from weight (SemiBold / Bold).
- 03 **Monospace for data only**
Numbers, tokens, code, timestamps — never prose.
- 04 **Line-height by role**
Tight for display (~1.0), open for body (1.5–1.6).
- 05 **Never a third typeface**
Two families carry the system. Adding a face dilutes the voice.

TOKENS · SPACING

The *rhythm.*

One four-pixel base. Eleven steps drive every gap, padding, and margin, so spacing stays consistent and the page keeps an even rhythm.

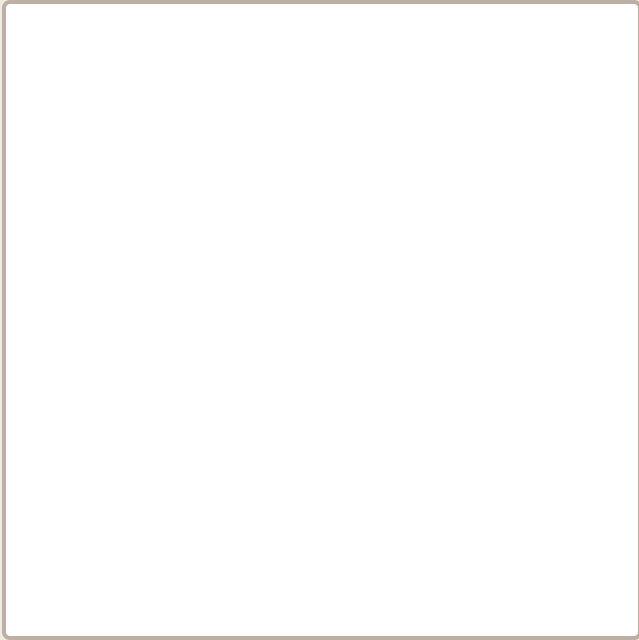
	-----	--space-1 · 4px 0.25rem · Icon-to-label gap
	-----	--space-2 · 8px 0.5rem · Tight gap
	-----	--space-3 · 12px 0.75rem · Default inline gap
	-----	--space-4 · 16px 1rem · Card padding
	-----	--space-5 · 20px 1.25rem · Stacked field gap
	-----	--space-6 · 24px 1.5rem · Section gap
	-----	--space-8 · 32px 2rem · Block separation
	-----	--space-10 · 40px 2.5rem · Large block
	-----	--space-12 · 48px 3rem · Major section
	-----	--space-16 · 64px 4rem · Page rhythm
	-----	--space-20 · 80px 5rem · Hero spacing



TOKENS · RADIUS

Soft *corners.*

Five radii — four to sixteen, plus full for pills and avatars. Soft, never sharp; restrained, never bubbly.



Small

`--radius-sm · 4px`

Chips, badges, small controls



Medium

`--radius-md · 8px`

Buttons, inputs, fields



Large

`--radius-lg · 12px`

Cards, panels



Extra-large

`--radius-xl · 16px`

Modals, large surfaces



Full

`--radius-full · full`

Pills, avatars, dots

Corners are soft but measured — there is no zero radius. Larger surfaces take larger radii so corners read equally soft at every scale.



TOKENS · ELEVATION

The *lift.*

Warm, soft shadows that lift surfaces without harsh edges. Four levels — from ground to modal — each one raising a surface a measured step above what sits beneath it.



Flat

--surface-0

Page ground, dividers



Raised

--surface-1

Cards, panels



Overlay

--surface-3

Popovers, menus, tooltips



Modal

--surface-5

Dialogs, sheets

Shadows carry a warm cast — drawn from obsidian, never pure black — so depth reads soft against parchment. Each level lifts only as far as its role requires.



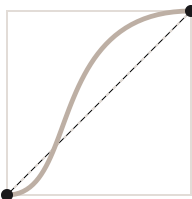
In *motion.*

Five durations and three easing curves carry every transition. Short and quiet by default, slower only for large surfaces, so the interface settles rather than performs.

DURATIONS

	<code>--duration-instant · 100ms</code> Hover, toggle
	<code>--duration-fast · 200ms</code> Most transitions
	<code>--duration-normal · 300ms</code> Enter / exit, default
	<code>--duration-slow · 500ms</code> Large surfaces
	<code>--duration-shimmer · 1.5s</code> Loading shimmer

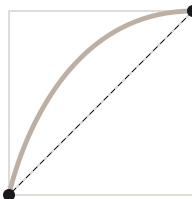
EASING



Default

`--ease-default · cubic-bezier(0.4, 0, 0.2, 1)`

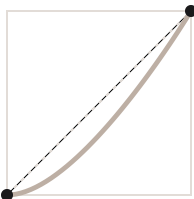
Standard



Enter

`--ease-enter · cubic-bezier(0, 0, 0.2, 1)`

Decelerate in



Exit

`--ease-exit · cubic-bezier(0.4, 0, 1, 1)`

Accelerate out



TOKENS · DENSITY

On *density.*

One scale that re-paces the whole interface without touching any component's size prop. The same row, set at three rhythms — from packed to unhurried.

Compact

data-density="compact" · 36px row

MR	Maris Reyes Facial · 60 min	Booked
JT	Jonah Tate Consult · 30 min	Pending
E+	Elin Vos Peel · 45 min	Done

Dense tables, power users

Default

data-density="comfortable" · 44px row

MR	Maris Reyes Facial · 60 min	Booked
JT	Jonah Tate Consult · 30 min	Pending
E+	Elin Vos Peel · 45 min	Done

The standard · implicit default

Comfortable

data-density="spacious" · 52px row

MR	Maris Reyes Facial · 60 min	Booked
JT	Jonah Tate Consult · 30 min	Pending
E+	Elin Vos Peel · 45 min	Done

Touch + reading

Density is orthogonal to size. A control keeps its own dimensions; the mode only changes the breathing room around and between rows — so the page can run dense for power users or open for touch, with no fork in the components.

TOKENS · FOCUS RING

In*focus.*

A single calm terracotta ring marks keyboard focus — visible, never harsh. It is the one place the accent appears in an active state.

FOCUSED CONTROL

Book a consultation

Full name

Jordan Avery

Button and input shown in their focused state — the ring sits outside the border so the control stays legible underneath.

SPECIFICATION

--ring	box-shadow
Width	3px
Color	brand · 25%
Mix	color-mix(srgb)
Trigger	:focus-visible
Applies to	keyboard focus only

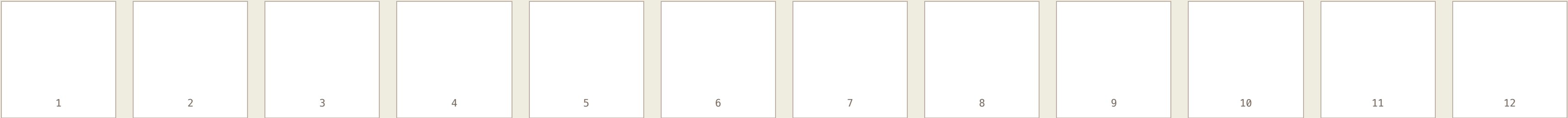
The ring renders as an outer box-shadow, so it never shifts layout and clears the rounded corner cleanly.

Focus shows only for keyboard navigation via :focus-visible — pointer clicks stay quiet. One ring, one width, one tint across every control.

TOKENS · GRID

The *grid*.

A 12-column grid on two breakpoints carries every layout — two columns on tablet, the full shell with sidebars on desktop.



12 COLUMNS Equal tracks, flexible widths — span any count from one to twelve.

Tablet --bp-table	768px	≥768 — two-column layouts
----------------------	-------	---------------------------

Desktop --bp-desk	1280px	≥1280 — full shell + sidebars
----------------------	--------	-------------------------------

Gutters sit at 24px between columns; page margins hold steady at 32px. Columns flex with the viewport while the gutter stays fixed — the rhythm reads the same on every screen.

TOKENS · VALIDATION

Input *states.*

Every input speaks its state through border, icon, and message — color is never alone. Shape and text always carry the meaning too.

Default

EMAIL · FIELD

Full name

Resting field, awaiting input

Hover

EMAIL · FIELD

Full name

Edge firms as the cursor lands

Focus

EMAIL · FIELD

Avery Lindqvist

Terracotta ring marks the active field

Error

EMAIL · FIELD

avery@

Enter a valid email address

Warning

EMAIL · FIELD

(555) 01

This number looks incomplete

Success

EMAIL · FIELD

Avery Lindqvist

Saved and verified

Six states, one field. Default rests quietly; hover and focus invite; error, warning, and success each pair a color with an icon and a written line — so meaning survives for anyone who cannot read the color alone.

The *catalog*.

A hundred-plus components, grouped by what they do — not what they look like. Every interactive atom reads one shared state model, so behaviour is defined once and inherited everywhere.

Actions

08

Buttons, button groups, the floating action button — anything that commits an intent.

Text inputs

14

Input, textarea, rich-text and code editors, and the fields that capture typed values.

Selection

14

Checkbox, radio, switch, select, slider, calendar — controls that pick from a set.

Navigation

12

Tabs, breadcrumb, sidebar, pagination, menus — moving between places and views.

Containers

11

Card, accordion, collapsible, dialog scaffolds — surfaces that hold other content.

Data display

23

Tables, data grid, charts, metrics, timelines — the read-only views of state.

Overlays

14

Dialog, popover, tooltip, drawer, toast — layers that sit above the page.

Feedback

10

Alert, banner, callout, progress, spinner, skeleton — status the system reports back.

Tags & indicators

11

Badge, chip, pill, status pill, avatar — small marks that label or signal.

Default

base · rest

Resting

Hover

hover:

Hover

Focus

focus-visible:

Focus

Active

active:scale

Active

Disabled

disabled:opacity

Disabled

Five states, declared once via Tailwind pseudo-class variants (`hover:` `focus-visible:` `active:` `disabled:`) and Radix `data-state` — never exploded into per-component variants.

`data-slot`

Every root carries **`data-slot`** so each part is identifiable for styling and testing.

`CVA variants`

Variants and sizes are managed with **`class-variance-authority`**, each exporting its variants type.

`asChild`

Composition via the Radix **`Slot`** — **`asChild`** renders a child element in the component's place.

`'use client'`

Interactive components declare **`'use client'`** for React Server Component compatibility.

In *action*.

The eight ways a person tells Lumos what to do — buttons, groups, menus, toggles. Accent stays reserved for the one true call-to-action; everything else rests in neutral ink.

Button

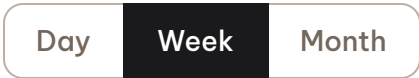
variant × size



Variants default · cta · outline · ghost · link across sizes sm/default/lg. Accent fill on cta only.

Button Group

mode · single



Attached segments share one hairline. mode="single" — the selected segment takes primary ink, the rest rest in outline.

Toggle

data-state=on/off



A single two-state control. variant default/outline, sizes sm/default/lg. On state lifts to the accent tint.

Toggle Group

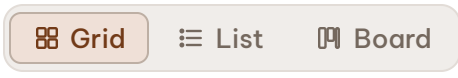
type · single



Several toggles bound as one — text alignment here. Inherits Toggle's variant + size through context.

View Toggle

sm · md · lg



Segmented control for switching content projections. The active mode carries the brand tint + border.

Floating Action

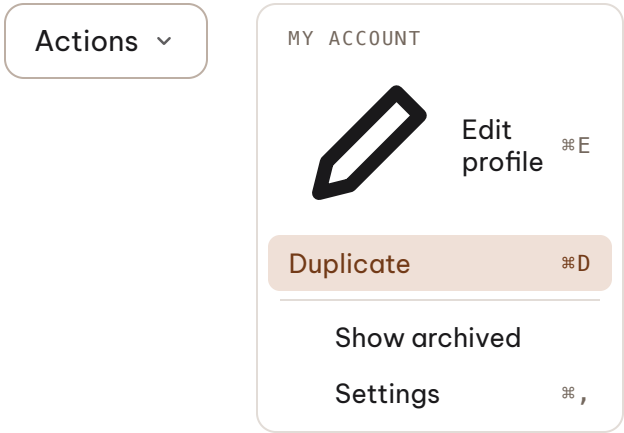
default · extended · mini



Sticky primary action, anchored bottom-right. Sizes default / extended / mini — accent-filled by design.

Dropdown Menu

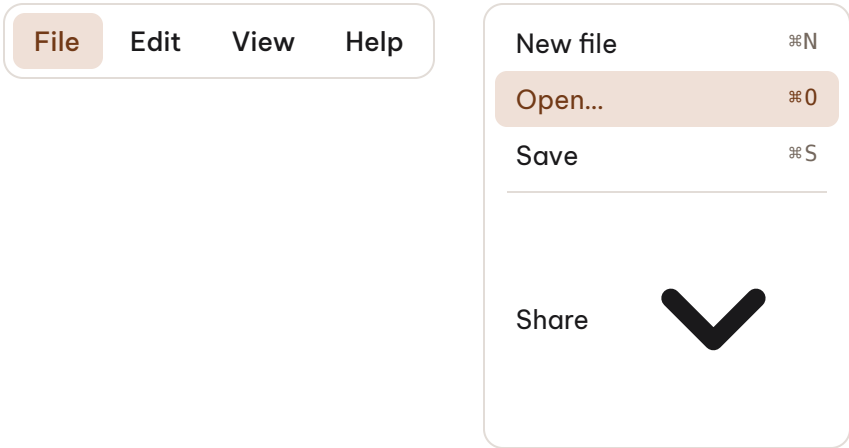
closed trigger · open content



Closed Trigger beside an open Content — Label, Items with Shortcuts, a CheckboxItem, and a Separator. Highlighted row uses the accent tint.

Menubar

trigger · open menu



Desktop-style menu bar (File / Edit / View / Help). The open trigger holds the accent tint; the dropped menu mirrors DropdownMenu's tokens.

Where words *land*.

The seven fields that take a person's words — text, long-form, numbers, phone, codes, and the label-and-helper scaffolding that wraps them. State lives in the border and the message; accent rests on the focus ring alone.

Input

variant × data-size

DEFAULT · PREFIX + CLEARABLE

Q Sage rooms, downtown

×

FOCUS · ACCENT RING

Avery Lindqvist

Variants default · error · warning; sizes via data-size sm/md/lg. Optional prefix · suffix · helper · clearable slots. Accent is the focus ring only.

Input · states

error · warning · disabled

ERROR · ARIA-INVALID

avery@

!

! Enter a valid email address

WARNING · ADVISORY

(555) 01

⚠

error sets the destructive frame + aria-invalid; warning is advisory — amber frame paired with an icon, never color alone (WCAG 1.4.1).

Textarea

data-size · min-h 80

DEFAULT · MULTI-LINE

Notes for the practitioner before the session begins...

Multi-line field, no CVA variants. Sizes via data-size sm/md/lg (horizontal padding only) — height stays min-h 80px.

Number Input

size · error · warning

DEFAULT · STEPPERS + SUFFIX

60 min

−

+

AT MIN · ▼ DISABLED · WARNING

0

⚠

−

+

Composes Input with trailing ▼/▲ steppers. min/max/step clamp the value and disable a stepper at the bound. Tiers error · warning mirror Input.

Phone Input

country · E.164

DEFAULT · US · AS-YOU-TYPE

🇺🇸

+1

▼

(number withheld)

Country selector + a @tarva/ui Input; formats as you type and emits E.164. Props defaultCountry · international · error · disabled.

Input PIN code

slot · group · separator

MAXLENGTH 6 · SLOT 4 ACTIVE

482

−

|

·

·

PIN-code field built from the PIN-code input component and its group, slot and separator parts. The active slot takes the accent ring; onComplete fires when filled.

Field

label · required · helper · error

Full name *

Avery Lindqvist

As it appears on your ID

Email *

avery@

!

! Enter a valid email address

Composition primitive: wraps one input-shaped child with a Label + helper, wiring htmlFor, aria-describedby/−invalid/−required. Props label · required · helper · error · disabled · readOnly. error overrides helper.

Label

htmlFor · Radix Root

Phone number − text-sm · font-medium

Date of birth * − required marker

Insurance ID − peer-disabled · opacity-70

Radix Label.Root at text-sm font-medium. Associates to its control via htmlFor; dims to opacity-70 when its peer is disabled. Drives the label inside Field.

Source · @tarva/ui · Components/Text inputs

More fields → 2 of 2

COMPONENTS · TEXT INPUTS · 2

Words, *structured.*

Four fields that gather more than a line — rich prose, tagged sets, validated forms, and scoped search. Accent rests on the active focus alone; everything else stays in quiet driftwood ink.

Rich Text Editor

variant · toolbar[]

VARIANT="DEFAULT" · FULL TOOLBAR

B

I

U

H

☰

“”

<>

🔗

🖼️

The grand opening drew a quiet crowd to @AveryLindqvist's studio — lavender, warm stone, and a long table of samples.

Tiptap-backed. Variants default · compact · parchment. Toolbar items bold italic underline heading list quote code link image — plus mention tag dropcap for the parchment editor. @-mentions resolve via onMention.

Chip Input

size · dedupe · commitOn

VALUE[] · COMMITON ENTER, COMMA

lavender × citrus × cedarwood × mint|

mint

mimosa

myrrh

Token entry with a typing buffer. Sizes sm/md/lg, dedupe strict · case-insensitive · off, commit onEnter Comma Tab Space. suggestions opens the listbox; highlighted option takes the accent tint.

Form

react-hook-form bound

Full name

Avery Lindqvist

Shown on your booking confirmation.

Email

avery@

Enter a valid email address.

Form · FormField · FormItem · FormLabel · FormControl · FormDescription · FormMessage. Label, control + description, and the destructive FormMessage wired to validation via aria-invalid.

Search field

Input · prefix · clearable

DEFAULT · PREFIX ICON

🔍

Search treatments...

FOCUS · CLEARABLE · ACCENT RING

🔍

hot stone

×

Input with prefix={<Search/>} + clearable — not a separate component. Variants default · error · warning, sizes via data-size sm/md/lg. Focus is the one accent moment.

COMPONENTS · SELECTION

Quietly *chosen.*

The five controls that capture a choice — one, several, on or off, a value along a range. The check, the dot, the filled track sit in neutral ink; accent waits for the focused field alone.

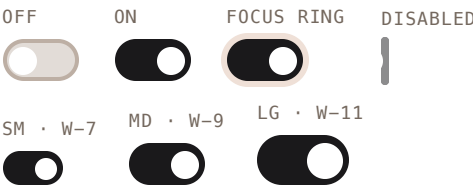
Checkbox



data-state · data-size

Radix box + indicator. checked shows the Check, indeterminate the shared Minus glyph — both on primary ink. Size rides a data-size attribute (sm/md/lg), not a variant.

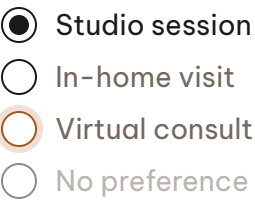
Switch



size · sm/md/lg

A boolean track + thumb. size selects a coupled track / thumb / travel triple. On fills with primary ink; the thumb stays white at every size.

Radio Group



one of a set

RadioGroup + RadioGroupItem — exactly one selected, marked by the filled dot. Focus shows the terracotta ring; the disabled row dims. data-size scales box + dot together.

Checkbox Group

Treatments*



- ☒ Facial
- ☒ Massage
- ☐ Body wrap
- ☐ Sauna

WARNING TIER

- ☒ Email updates
- ☐ SMS reminders
-  Pick at least one channel

ERROR TIER

- ☐ Accept terms
- Selection is required

fieldset · select-all · validation

A <fieldset> + <legend> binding N checkboxes as one set. Tri-state **select-all** shows the Minus when partial; orientation is the sole variant. warning pairs amber + icon (no aria-invalid); error sets it.

Slider

SINGLE VALUE



FOCUSED THUMB



RANGE · TWO THUMBS



DISABLED



single thumb · range · focus

Radix track / range / thumb. One thumb for a value, two for a range — pass an array to defaultValue. The filled range carries primary ink; the focused thumb takes the terracotta ring. data-size scales the thumb.



Pick *one*.

Value-triggers, typeaheads, and date surfaces — the controls that turn a long list into one committed choice. Accent rests on the open ring and the chosen day; the rest waits in neutral ink.

Select

data-size · sm/md/lg

Eucalyptus & sage

SCENT PROFILE

Eucalyptus & sage

Lavender & chamomile

Citrus (sold out)

Radix value-trigger + listbox. Size is the data-size attribute (sm/md/lg) redefining `--control-h`, not a CVA variant. Slots: Trigger · Content · Label · Item · Separator. Selected item shows the trailing ✓; disabled stays in the AT tree.

Combobox

variant · default/error/warning

60-minute facial

Q fac

60-minute facial

90-minute facial

Single-select typeahead — closed value-trigger over a filtered command-menu listbox of OptionRows (selectionMode="check"). Variants default · error · warning; size via data-size. Re-selecting the committed value toggles it off.

Multiselect

mode · popover/inline

3 Select services...

Select all

Aromatherapy
add-on

Hot stone
add-on

3 of 6

Multi-select checkbox listbox. Leading count Badge + clear-all X + tri-state "Select all". Props filterable · showCount · showSelectAll · clearable · maxCount; mode popover (shown) or inline. Toggling a row never closes the popover.

Option Row

selectionMode · check/checkbox

CHECK · DEFAULT / HIGHLIGHTED / SELECTED / DISABLED

Default row

Highlighted

Selected

Disabled

CHECKBOX · UNSELECTED / SELECTED / DISABLED

Unselected

Selected

Disabled

The shared keystone both Combobox & Multiselect render — the only place the two never drift. One real axis: selectionMode="check" (trailing ✓, left) vs "checkbox" (filling box, right). State via data-highlighted · data-selected · aria-disabled — never hand-coded hues. Size inherits from the list's data-size.

Time Picker

12H · AM/PM

24H · SHOWSECONDS

format · 12h/24h

09

:

15

AM

14

:

30

:

00

Token-styled native <select>s — no third-party dep. format="12h" adds an AM/PM box (left); "24h" omits it (right, with showSeconds). minuteStep 1·5·15·30. The emitted value is always canonical 24-hour HH:mm[:ss], regardless of display format.

Date Picker

mode="single"

Pick a date

Jun 23, 2026

Mar 9, 2026

<	June 2026						>
Su	Mo	Tu	We	Th	Fr	Sa	
31	1	2	3	4	5	6	
7	8	9	10	11	12	13	
14	15	16	17	18	19	20	
21	22	23	24	25	26	27	
28	29	30	1	2	3	4	

Popover + Button (outline) + Calendar. Closed placeholder "Pick a date", committed value (format="MMM d, yyyy"), and hasError border — opening reveals the month. String API value/defaultValue as YYYY-MM-DD; props min · max. Closes once a day is chosen.

Calendar

density · comfortable/compact

<	June 2026						>
Su	Mo	Tu	We	Th	Fr	Sa	
31	1	2	3	4	5	6	
7	8	9	10	11	12	13	
14	15	16	17	18	19	20	
21	22	23	24	25	26	27	
28	29	30	1	2	3	4	

comfortable · 36px cell

react-day-picker wrapper with a Lumos density axis — comfortable (36px) or compact (28px). All RDP props pass through (mode · selected · numberOfMonths). today takes the accent ring; selected fills accent; range body tints subtly; outside/disabled recede.

<	June 2026						>
Su	Mo	Tu	We	Th	Fr	Sa	
31	1	2	3	4	5	6	
7	8	9	10	11	12	13	
14	15	16	17	18	19	20	
21	22	23	24	25	26	27	
28	29	30	1	2	3	4	

compact · 28px cell

COMPONENTS · NAVIGATION · WAYFINDING

Finding the *way*.

Four ways a person reads where they are in Lumos — crumbs, tabs, pagers, and a top-nav flyout. Accent marks only where you are now; the path you have walked and the path ahead rest in quiet ink.

Breadcrumb

home · items · current

🏠 Home > Clients > ... > Avery Lindqvist > Sessions

Slots Link · Page · Separator · Ellipsis. Last crumb is BreadcrumbPage (aria-current="page") in solid ink; links rest in secondary and firm to foreground on hover. Default separator is a chevron.

Tabs · segmented

variant="segmented"

Overview

Notes

History

Default variant — a pill cluster on a muted track. The active trigger (data-[state=active]) takes primary ink; sizes via data-size sm/md/lg.

Tabs · pill

variant="pill"

Day

Week

Month

Standalone pill triggers, no track — for compact toolbars. Active fills primary; the rest tint on hover.

Tabs · underline

variant="underline"

Details

Activity

Files

Underline indicator on a bottom border — detail-page chrome. The active tab is the one accent moment, marked in terracotta with a 2px rule.

Pagination

isActive · prev/next

< Previous

1

2

3

...

Next >

Built on buttonVariants — the active page is outline, all others ghost. Slots Previous · Link · Ellipsis · Next; sizes default/sm/lg/icon.

Navigation Menu

trigger · open flyout

Services ^

Pricing

About

Facials & skincare

Bespoke treatments by hand

Massage therapy

Deep-tissue and restorative

Wellness rituals

Sauna, soak, and breathwork

Hover/focus-revealed flyout for top nav. The open Trigger (h-10, chevron rotates) holds the accent tint; Content renders inside the Viewport. Collapses to a flat block below md.

COMPONENTS · NAVIGATION · FLOWS

Walking the *steps*.

Four ways Lumos carries a person through a task — the bar of a step counter, the dots of a wizard, the lanes of a board, and the actions pinned to the foot of the screen. The accent marks only the move you are making now.

Step Progress

STEP 3 OF 4

showPercentBar · labels

Pricing

Wizard "Step X of Y" indicator. Props `totalSteps` · `currentStep` · `labels` · `showPercentBar`. The accent bar is the only color; the count sits in mono secondary, the current label in bold ink.

Wizard

Step 3 of 4

< Back

currentStep · totalSteps



Next >

Multi-step shell — Header · Content · Footer. StepIndicator dots: completed show a check, the active dot carries an accent ring, the rest stay muted. Footer pairs Back (outline) with Next / Finish.

Lane Switcher

lanes · activeLaneId · count

Prep **3** Paint 5 Cure 2

Segmented tablist over a swipeable carousel. The active lane lifts to a white surface; its count badge takes the accent tint while resting lanes stay neutral. Matches panels by `data-lane-id`.

Sticky Action Bar

primary · secondary · tertiary

Decline

Counter

Accept

2–3 horizontal CTAs anchored to the viewport bottom. `primary` takes its tone (accent or danger); `secondary` / `tertiary` rest in outline. Carries iOS safe-area padding.

COMPONENTS · CONTAINERS

Quietly *holding.*

The ten surfaces that gather content and give it edges — cards, expanders, dividers, tables. Each frames without shouting; accent rests until a true action asks.

Card

Header · Content · Footer · Skeleton

Calm Sage facial

A 60-minute restorative treatment. Header, Content, and Footer stack on a white surface.

Book now

Details

Slots Header · Title · Description · Content · Footer · Action on rounded-xl border shadow-sm. Card.Skeleton mirrors the chrome while loading. CTA is the only accent.

Accordion

type · single / multiple

What's included?

Cleanse, exfoliation, mask, and a closing massage.

Cancellation policy

Aftercare

type="single" collapsible or multiple. Slots Item · Trigger · Content; the chevron rotates 180° on data-state=open.

Collapsible

Root · Trigger · Content

Show 4 more times

2:00 PM · 3:30 PM · 4:15 PM · 5:00 PM

The raw Radix primitive — Trigger toggles Content open/closed with no built-in chrome. The thinnest expander; bring your own styling.

Disclosure

variant · tone · chevronStyle

Booking details

Title plus a caption line

Chromed single panel. variant default · card · inline, tone neutral · info · success · warning · danger (info stripe), chevronStyle chevron · caret · plus.

Aspect Ratio

ratio · 16/9 · 4/3 · 1

16 / 9

4 / 3

1 / 1

Holds a media box at a fixed ratio while the page reflows. Common values 16/9 · 4/3 · 1 · 21/9. A thin wrapper over Radix AspectRatio.

Scroll Area

ScrollBar · vertical / horizontal

Monday — 9:00 AM open

Tuesday — 9:00 AM open

Custom-styled overflow with a thin overlay thumb. ScrollBar takes orientation vertical / horizontal.

Resizable

PanelGroup · withHandle

Panel A

Panel B

PanelGroup with direction horizontal / vertical, draggable Panels split by a Handle. withHandle adds the grip.

Separator

orientation · decorative

Treatments

Membership

Profile

Billing

Notices

One hairline rule. orientation horizontal / vertical; decorative defaults true so screen readers skip it. Driftwood—subtle ink, never accent.

Table

density · comfortable / compact / spacious

Client	Service	Visits	Status
Avery Lindqvist	Calm Sage facial	12	Active
Marisol Vega	Deep-tissue massage	5	Pending
Theo Nakamura	Membership renewal	28	Lapsed
Priya Anand	Lash lift	1	Overdue

Slots Header · Body · Footer · Row · Head · Cell · Caption; the density prop (comfortable · compact · spacious) sets row height. Status reads moss/amber/rust/stone — never accent.

Callout

variant · note · tip · warning · danger · quote



Note

Bring a hair tie — facials work best with hair pulled back.



Tip

Members save 15% on every add-on treatment.



Warning

Avoid retinol for 48 hours before any peel.



Skin that's cared for is skin that glows — patience is the active ingredient.

Block note for long-form copy. variant note · tip · warning · important · danger · quote; each maps to a severity tone. quote renders a <blockquote> with the only soft accent stripe.

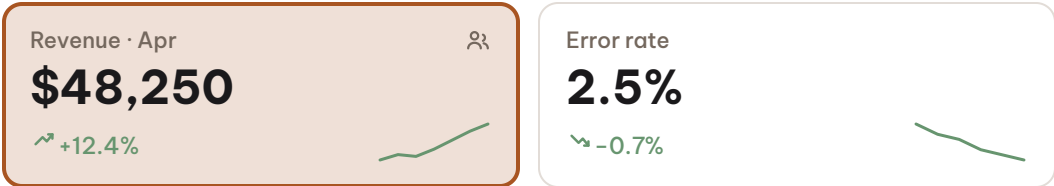
COMPONENTS · DATA DISPLAY · 1

Numbers, *measured.*

Eight ways Lumos shows a quantity at a glance — single figures, tiled summaries, trend lines, and laddered gauges. Status reads in moss, amber, and rust; accent stays fenced to the one active step.

KPI Card

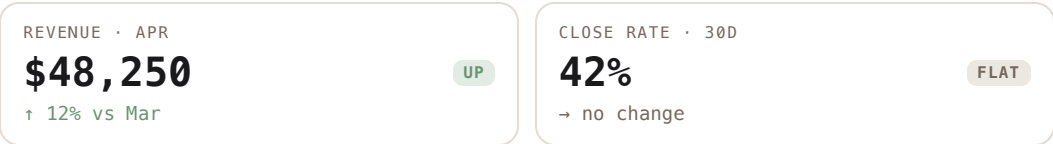
size sm · md · lg · highlight



valueFormat=currency · percentage, sizes sm/md/lg. previousValue drives the trend chip; higherIsBetter recolours it. highlight tints the focal card terracotta. glow · loading also ship.

KPI Grid

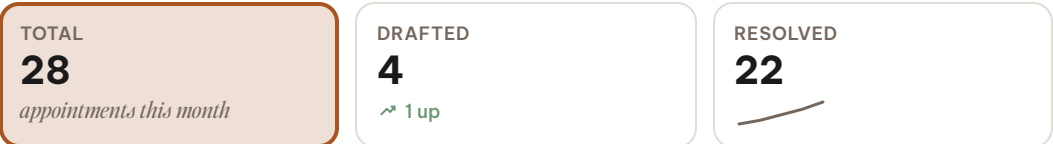
tiles · trend up/down/flat



Auto-fit grid of KPIStickerCard tiles (minTileWidth reflow). Each tile: mono label, value, and a sticker badge — UP moss · DOWN amber · FLAT stone. onPress makes a tile a button.

Metric Row

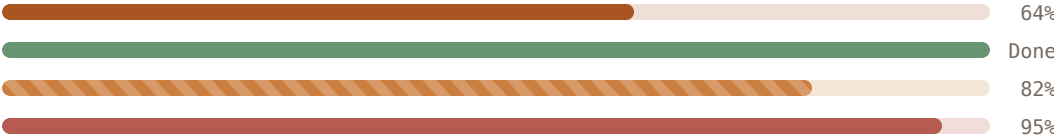
variant default · compact · stretch



Row of 3–6 MetricCards for index-page summaries. delta {value, direction up/down/flat}, optional trend[] sparkline + italic helper. At most one highlight per row.

Progress Bar

variant · size · striped



Radix-backed linear progress. Variants default · success · warning · error · info, sizes sm/md/lg. striped overlay, autoVariant threshold flip, mode=indeterminate, showLabel percent/value.

Meter Bar

segmented · tone ladder



Tiered ladder — “which tier, with how much fill inside it.” Tones neutral · success · warning · error · info · brand, sizes sm/md/lg, style segmented/continuous. showValue tier-name · showTierLabels.

Sparkline

variant positive/negative/neutral



Axis-less compact line — the smallest cartesian mark. variant positive/negative/neutral/auto (auto reads first-vs-last point), showFill gradient, width/height. Linear M/L polyline; no smoothing.

Step display

StepProgress · step X of Y



Wizard “Step X of Y” indicator. totalSteps + currentStep (clamped), per-step labels[], optional showPercentBar in accent. The active step is the one fenced accent moment.

Timeline

tone · density comfortable/compact



Vertical event rule — items {title, body, timestamp, icon}. Dot tones neutral · info · success · warning · danger · accent; density comfortable/compact. Markers decorative; SRs hear the titles.

COMPONENTS · DATA DISPLAY · 2

Quietly *composed.*

Six ways Lumos lays content out and holds its place while it loads — lists, code, shimmer, faces, and a gentle horizontal scroll. Accent rests until the moment a row is chosen.

List

UNORDERED · L1 → L2

- Confirm crew availability
 - Lead esthetician
 - Front-desk cover
- Stock treatment room
- [Send the intake form](#)

ORDERED · COMPACT

1. Cleanse & tone
 - a. Patch test
 - b. Warm compress
2. Apply mask
3. Final massage

variant · density

Typographic `<ul>/<ol>` with native markers. `variant` unordered/ordered; `density` comfortable/compact tunes row gap only. `List.Item` `asChild` lets a link own its accent.

Structured List

LABEL / VALUE · SEMANTIC TABLE

SETTING	VALUE
Region	us-east-1
Plan	Studio · annual
Members	12 seats

Borderless label/value rows, hairline separators, no outer box (flush). `condensed` trims padding; `selectable` makes a radiogroup. Selected row = glyph fill + accent tint + 2px accent-strong edge bar.

SELECTABLE · RADIOGROUP

☐	North studio	Open · 9–6
☒	Harbor studio	Open · 10–7
☐	Annex room	By appt.

condensed · flush · selectable

Code Snippet

INLINE + SINGLE

type · size · copy

Run `npm install @tarva/ui` to start.

```
npm install @tarva/ui @tarva/ui-tokens
```

MULTI · EXPANDED · COPIED

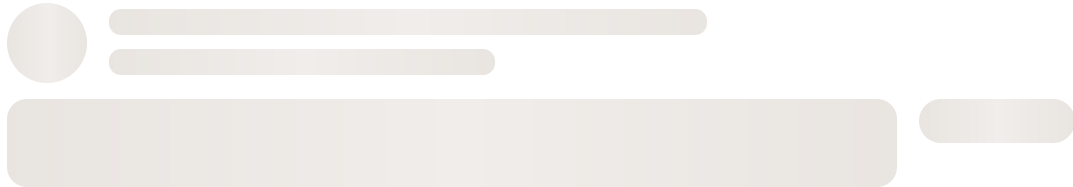
```
import { Button } from '@tarva/ui'
export const App = () => Go
```

Show less ^

`type` inline/single/multi, `size` sm/default. The copy button swaps Copy→Check (shape, not color alone); `multi` adds a Show more / Show less toggle that clamps to ~4 rows.

Skeleton

shape · lines · size



Content-shaped shimmer placeholder. `shape` text/circle/rect/pill, `lines` stacks text rows, `size` sm/md/lg sizes the circle. `Skeleton.Group` wraps an aria-busy region; `pulse` honors reduced-motion.

Avatar Stack

MD · MAX 4 · +N OVERFLOW



SM · STACKORDER END

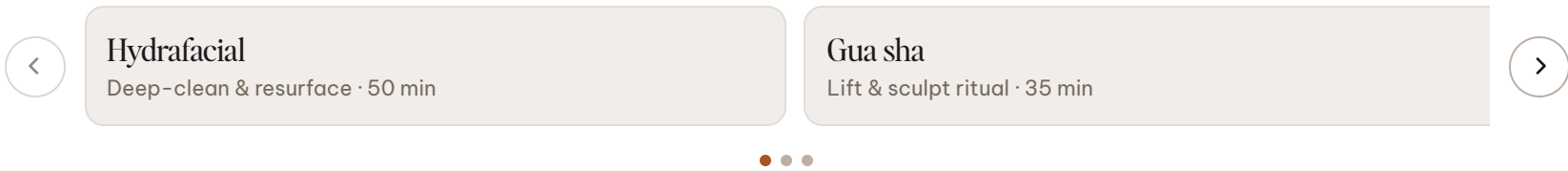


Overlapping Avatars with a +N overflow tile past max. `size` xs–xl sizes the whole row; `stackOrder` start/end picks which face sits in front. Overflow tile uses neutral ink, never accent.

max · size · stackOrder

Carousel

orientation · prev / next



Embla-backed slider. `orientation` horizontal/vertical; `CarouselContent` / `CarouselItem` hold the track. `CarouselPrevious` / `CarouselNext` are outline · icon Buttons — disabled (dimmed) at each end.

COMPONENTS · OVERLAYS · 1

Layered*above.*

Seven ways Lumos floats content over the page — modal dialogs, edge drawers, sheets, and quiet popovers. The page dims, the panel rests on white, and accent waits for the one true action.

Dialog

showCloseButton

Confirm booking

Your facial is held for 10 minutes.

CancelConfirm

Centered modal on a dimmed, blurred overlay. max-w-lg, rounded-lg, showCloseButton on by default — accent rides only the confirm CTA.

Alert Dialog

Action · Cancel

Delete this record?

This action cannot be undone.

CancelContinue

Interruptive confirm — **no** close button. Cancel is outline, Action takes buttonVariants(). Destructive intent renders rust, not accent.

Drawer

side · state · width

Edit profile

NAME

Avery Lindqvist

EMAIL

Email address

Side panel — side right/left, width 400 default. state success/warning/danger/info/neutral paints a status glow + dot (moss here, never accent).

Sheet

side · top·bottom·left·right

Filters

Narrow the appointment list.

SERVICE

Facial · Massage

PRACTITIONER

Four-direction slide-in — side top·bottom·left·right (default right), w-3/4 sm:max-w-sm. hideCloseButton off by default; left-anchored here.

Full Screen Sheet

open · title · headerActions

Edit entry

Save

Mobile full-viewport overlay — slides up from the bottom. Header pairs a close X + title with optional headerActions (the Save CTA, right).

Popover

closed trigger · open content

Settings

Dimensions

WIDTH

320 px

Apply

Closed Trigger beside open Content — w-72, rounded-md, p-4. Click-to-open, positioned via align (center) + sideOffset 4.

Hover Card

open on hover · align · sideOffset

Booked with @avery this morning.

A

Avery Lindqvist

Lead esthetician · Lumos Studio. Joined 2023.

[lumos.co/team/avery](#)

Reveals on **hover**, not click — a quiet preview over a dashed link. w-64, rounded-md, p-4; same align + sideOffset 4 as Popover.

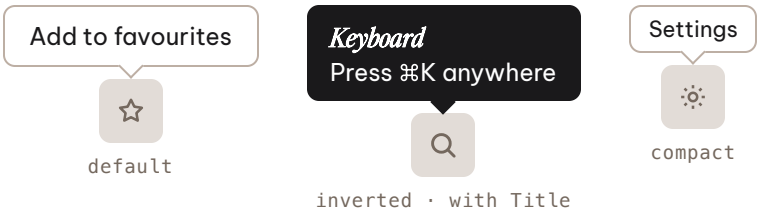
COMPONENTS · OVERLAYS · 2

Quietly *surfaced.*

Five overlays that appear on demand and recede on cue — a hint, a disclosure, a menu, a palette, a passing notice. Accent stays reserved for the open and selected moment alone.

Tooltip

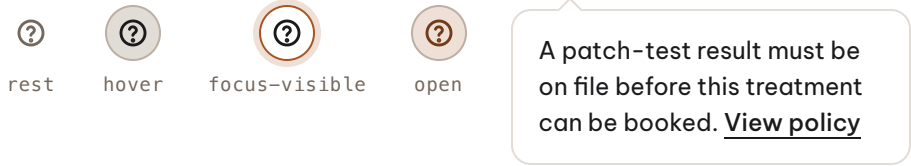
variant · default / inverted / compact



HOVER / focus only — describes its trigger, never holds a focusable element. Variants default · inverted · compact; optional TooltipTitle in display italic; TooltipArrow caret tracks the surface.

Toggletip

click-triggered · trigger states + open bubble



CLICK-triggered disclosure that *can* hold a focusable link. Trigger glyph sizes sm 14 · md 16 · lg 20 off —control-box. Open tint + aria-expanded are paired cues. Inner link uses --primary.

Context Menu

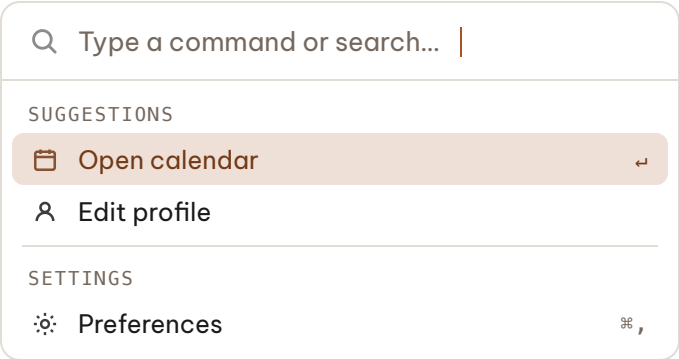
right-click · highlighted / checkbox / radio



Opens at the pointer on right-click. Item · CheckboxItem · RadioItem · Label · Separator · Shortcut plus a SubTrigger chevron. Highlighted row uses the accent tint; disabled rows dim to 50%.

Command

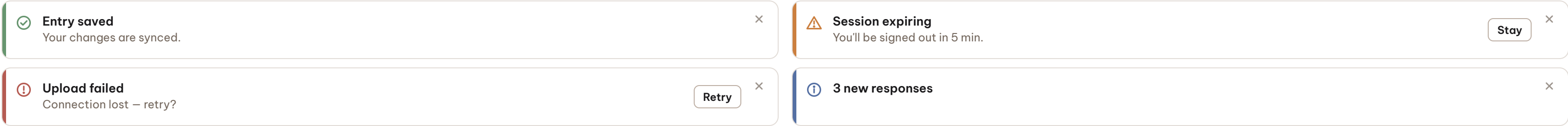
input · group heading · selected item



Searchable palette (command menu) — CommandInput with leading Search glyph, CommandGroup headings, CommandItem rows, CommandSeparator, CommandShortcut. Selected row carries the accent tint; also ships as the command-menu dialog component.

Toast

severity · success / warning / danger / info



Transient notice — severities info · success · warning · danger · neutral as a 4px left stripe + icon. Optional action button + dismiss x. Toaster stacks 6 positions (default bottom-right, limit 5, 5000 ms).

COMPONENTS · FEEDBACK

Quietly *reassuring.*

How Lumos tells a person where things stand — a notice, an empty shelf, a stalled fetch. This page covers the page-level states; spinners, progress, and notifications continue on page two. Status reads through icon and word first; color only ever confirms.

Alert

variant · fullBleed

Heads up

Your next aesthetics appointment is in 30 minutes.

×

Payment failed

The card on file was declined — update it to continue.

Banner notice. variant default · destructive; fullBleed toggles edge-to-edge. dismissible adds the trailing close. Destructive borrows the rust status hue — never accent.

Empty State

size sm · default · lg

No messages yet

When clients reach out, their notes land here.

Compose

Default Inbox disc, title, description, optional action. Sizes sm · default · lg scale the disc. The action is a neutral outline button, not a CTA.

Error State

size · fullPage · onRetry

Something went wrong

An unexpected error occurred. Please try again.

Try again

Rust AlertCircle disc. onRetry reveals an outline Try again with refresh glyph. fullPage reserves min-height; sizes mirror Empty State.

Loading State

variant · size

spinner

dots

skeleton · rows

Three layouts under one component: variant spinner · dots · skeleton, sizes sm · default · lg. message labels the live region; skeleton takes a rows count.

Inline Loading

state · size

Saving...

Idle

Saved

Save failed

One persistent row that resolves: active spins → success ✓ / error X; inactive dims. Shape + label both signal — color only confirms. size xs→xl.

COMPONENTS · FEEDBACK

Still *working.*

The motion half of feedback — the bare spinner atom, determinate and indeterminate progress, a long-running task with continuous reassurance, and the inbox row. Shape and label lead; color only ever confirms.

Spinner

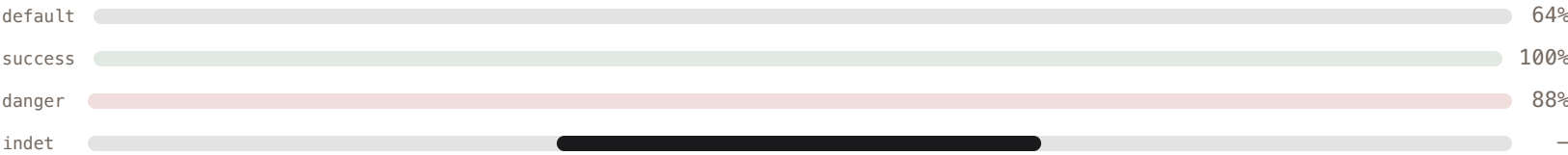
size xs–xl · tone



The bare atom. Five sizes xs 12 · sm 14 · md 16 · lg 20 · xl 24; tones neutral · brand · success · warning · danger · info via `--intent-*`. Pulses under reduced-motion.

Progress

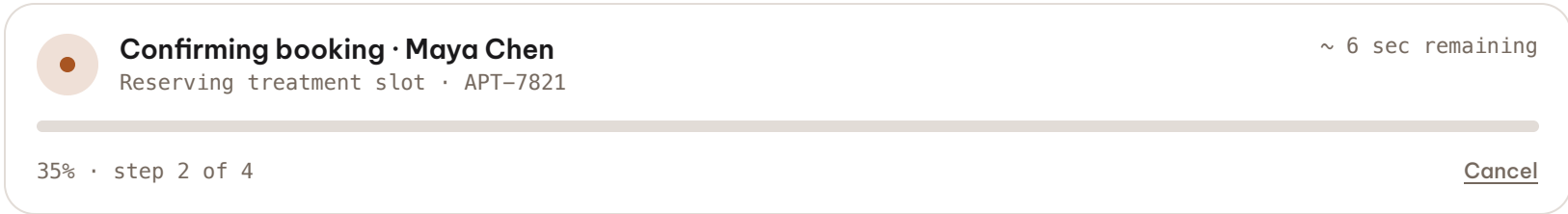
size · variant · indeterminate



Radix meter. Sizes sm · md · lg; canonical tones default · success · danger (warning · info deprecated — color implies the value itself). indeterminate + showLabel supported.

Processing State

state · progress · step



Long-running async with continuous reassurance. status · substep · durationEstimate; state active shows Cancel, nearly-done shows "Almost there...". Undefined progress goes indeterminate.

Notification Row

isUnread · onMarkRead



Inbox row. Unread reads through THREE signals — accent left-border, dot, semibold title — never color alone. Swipe-right fires onMarkRead; optional inline actionLabel.

COMPONENTS · TAGS & INDICATORS

Small, but *telling*.

Eleven atoms that label and signal — badges, chips, pills, swatches, sigils, avatars. Status speaks in moss, amber, rust, and stone; accent stays reserved for the one selected chip.

Badge



tone · appearance

Tones neutral · info · success · warning · danger · accent in appearance soft / solid / outline. Add onRemove for a dismissable chip.

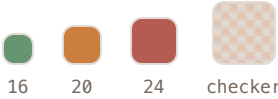
Chip



tone · size · selected

Interactive sibling of Pill: removable · selectable · disabled. Sizes sm / md / lg. The selected ring is the lone accent moment.

Status Swatch



hex · size · checker

Color square for sortable rows + palette legends. Sizes 16 / 20 / 24 / 32; showChecker surfaces low-opacity tokens. Carries role="img".

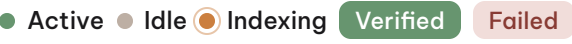
Avatar



size · image / fallback

Radix Avatar with AvatarImage + AvatarFallback. Sizes xs · sm · md · lg · xl (or numeric px). Falls back to initials when the image fails.

Status Badge



variant · category

variant dot / badge / outline / subtle × category success...muted, sizes sm / default / lg. animation="pulse" rings live work.

Pill



tone · size · dot

Read-only status atom — lighter than Badge, no dismiss. Tones neutral · brand · success · warning · danger · info, sizes sm / md.

Tone



tone · appearance

Generic tinted surface for non-pill cases — headers, stripes, inline text, dots. appearance soft / solid / outline / text / dot; as sets the tag.

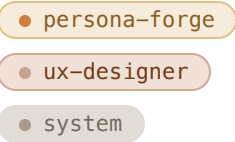
Icon



name · size

Typed registry over lucide-react — reference by name, size via --icon-* tokens xs...xl. label announces meaningful icons.

Agent Badge



agent · size · isActive

Mono pill showing the working agent. size sm / md; isActive pulses the dot. Color anchors to status tokens, never raw accent.

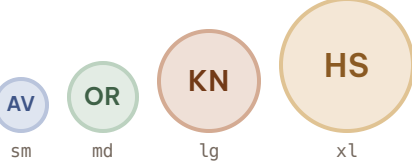
Status Pill



status · lifecycle

Pill bound to lifecycle tokens via a status string — drafted, ready, active, in-progress, resolved, archived, failed. Unknown values fall back to neutral.

Sigil



kind · size

Circular faction badge — initials or image with a tone-bound ring. kind kinship · guild · order · cabal · house · movement, sizes sm / md / lg / xl.

COMPONENTS · BUTTON

The *button*.

One theme-agnostic primitive — label, an optional icon, and a surface. Variant and size choose the emphasis; the accent fill is reserved for the single priority action on a view.

ANATOMY

✓ Book a session

1

Surface — variant fill, 1.5px border, soft shadow, --r-md radius

2

Icon — optional leading glyph, 16px, inherits label color

3

Label — Be Vietnam Pro SemiBold, sentence case, never wraps

USAGE

DO

Reserve **cta** (accent fill) for the one priority action per view — book, confirm, submit. Use **default** (steel ink) for the standard action.

DON'T

Never use a filled **warning** or **info** button — both are deprecated. Carry those tones on a Banner or Badge instead, not on an action.

SIZES

sm

Compact rows, toolbars

Reschedule

default

Standard action height

Reschedule

lg

Hero / prominent CTA

Reschedule

icon · icon-sm · icon-lg

Square, icon-only

...

...

...

VARIANTS · ACTION TONES

default

Primary action · steel ink fill

Book a session

cta

Accent call-to-action · one per view

Book a session

outline

Secondary action with border

Book a session

secondary

Alternative primary action

Book a session

ghost

Low-emphasis action

Book a session

link

Inline text-style action

Book a session

STATES

Default

default

Hover

hover · /90

Focus

focus · 3px ring

Active

active · 0.98

Disabled

disabled · 0.5

PROP	TYPE	DEFAULT	NOTES
variant	default · cta · outline · secondary · ghost · link ...	"default"	Emphasis tone. destructive / success also ship; warning / info deprecated.
size	default · sm · lg · icon · icon-sm · icon-lg	"default"	Height + padding; icon sizes render a square surface.
asChild	boolean	false	Render via Radix Slot — pass a link or trigger as the child.
disabled	boolean	false	Dims to 0.5 and removes pointer events. Native type is forwarded via the rest spread.

COMPONENTS · CARD

One chrome, *many densities*.

No size prop and no surface accent — density lives in the content and interaction states are opt-in. Everything traces back to the eight exports of a single token-driven surface.

03 · DENSITY one fixed chrome — density lives in the content, not a size prop

COMPACT — TITLE ONLY

Avery L.

Senior instructor

STANDARD — GAP-6 / PY-6 / PX-6

Front desk

Today’s schedule

Six classes, two open slots.

Card ships no size variant. The single token-driven chrome (`gap-6 py-6 px-6 rounded-xl`) keeps every surface aligned; consumers tune density by overriding `className` on the slots.

05 · USAGE keep the accent fenced; let slots do the work

DO COMPOSE WITH SLOTS

Reach for `CardHeader` / `Content` / `Footer` rather than nesting raw divs. The grid header keeps `CardAction` pinned and titles aligned across a list.

DO SWAP TO CARD.SKELETON

While data loads, render `Card.Skeleton` — it mirrors the chrome and announces “Loading” to assistive tech.

DON’T PAINT THE SURFACE ACCENT

Never fill a resting Card with terracotta to draw the eye. Accent belongs to the one CTA inside the footer — the surface stays white on parchment.

DON’T HAND-ROLL DIVIDERS

Use the `.border-b` / `.border-t` utilities the header and footer detect — they self-apply the matching `pad-bottom` / `pad-top`.

04 · STATES a static surface — interaction states are opt-in via the consumer

Default

`border-subtle`

Resting

Hairline border, soft shadow.

Hover

`border-strong`

Lifted

Edge firms, shadow deepens.

Focus

`ring · accent`

Focused

3px terracotta ring.

Active

`accent-subtle`

Selected

Accent tint fill.

Disabled

`opacity .45`

Inactive

Dimmed, no shadow.

Focus/active/hover apply only when a Card is wrapped in an interactive element (`button`, `link`, `role`). The base Card is presentational.

06 · API @tarva/ui · ui/card.tsx

EXPORT	DATA-SLOT	BASE CLASSES / ROLE
Card	card	rounded-xl border py-6 shadow-sm · gap-6
CardHeader	card-header	grid · gap-2 · px-6 · has-action-2col
CardTitle	card-title	text-heading-4 · font-semibold
CardDescription	card-description	text-muted-foreground · text-sm
CardAction	card-action	col-start-2 · row-span-2 · self-start
CardContent	card-content	px-6
CardFooter	card-footer	flex · items-center · px-6 · .border-t-pt-6
Card.Skeleton	card-skeleton	role=status · aria-busy · aria-label="Loading"

All exports are `ComponentProps<'div'>` — every native div prop plus `className` merged via `cn()`. No CVA variants, no required props.

COMPONENTS · CARD

The *card*.

A composition, not a variant set — seven slots that snap into a single bordered surface. One rounded-xl container, a quiet hairline, soft shadow; everything else is the content you bring.

01 · ANATOMY seven composable slots inside one bordered surface

1

2

3

4

6

7

Tuesday · 6:30 PM

Restorative flow with Avery

A 60-minute studio session. Mats and props provided; arrive ten minutes early to settle in.

Reserve

Details

5

1

Card — rounded-xl border py-6 shadow-sm

2

CardHeader — grid, gap-2, px-6

3

CardTitle — text-heading-4 semibold

4

CardDescription — muted, text-sm

5

CardAction — pinned top-right

6

CardContent — px-6 body

7

CardFooter — flex, px-6, .border-t

02 · COMPOSITIONS no CVA variants — shape comes from which slots you include

HEADER · CONTENT · FOOTER

Membership

Unlimited studio access

Includes all flow, restorative, and breathwork classes plus two guest passes a month.

Choose plan

Compare

HEADER + ACTION

Intake form

In review

3 of 4 sections complete

Action slot anchors top-right across both header rows via grid placement.

CONTENT ONLY · CARD.SKELETON

role="status" · aria-busy · --control-box lines

Source · @tarva/ui · ui/card.tsx

Sizes, states & usage → 2 of 2

COMPONENTS · CHECKBOX & RADIO

The *radio group*.

One choice out of a set. Each option rests in neutral ink; the chosen one fills its ring with primary ink; focus is the only moment the accent appears. Radios share the checkbox’s sizes, ring, and disabled treatment — only the shape and the single-selection rule differ.

SIZES · DATA-SIZE

sm 14px box · dense lists	selected	empty
md · default 16px box · standard forms	selected	empty
lg 20px box · touch / prominent	selected	empty

INTERACTION STATES

default	hover · border firms	focus-visible · 3px ring	selected · active	disabled · 0.5
--------------------------------	---	---	--	---------------------------------------

RADIOGROUP · ONE OF A SET

In studio · Lumos Wellness

At home · video session

Group class — full

USAGE

DO	DON'T
Use a Checkbox for independent yes/no choices, and a RadioGroup when exactly one option must win. Always pair each box with a real Label .	Don't use radios for a single on/off toggle, and don't recolor the box — selection and focus are the only moments the accent is allowed to appear.

PROPS

Checkbox · @radix-ui/react-checkbox Root			
PROP	TYPE	DEFAULT	NOTES
data-size	"sm" · "md" · "lg"	md	Redefines <code>--control-box</code> (design specification). Omit for byte-identical default.
checked	boolean · "indeterminate"	—	Controlled state; "indeterminate" shows the MixedGlyph (Minus).
onCheckedChange	(checked) => void	—	Fires on toggle with the next checked value.
disabled	boolean	false	Dims to 0.5, blocks pointer + keyboard.
RadioGroup / RadioGroupItem · @radix-ui/react-radio-group			
PROP	TYPE	DEFAULT	NOTES
value · defaultValue	string	—	Group selection (controlled / uncontrolled). Set on RadioGroup.
onValueChange	(value) => void	—	Fires with the newly selected item value. Source · @tarva/ui · ui/radio-group.tsx
orientation · loop	"horizontal" · "vertical" · boolean	vertical · true	Arrow-key roving direction and wrap. Layout is <code>grid gap-2</code> .
value (Item)	string	—	Required per RadioGroupItem — identifies the option.
disabled	boolean	false	On the group or a single item; dims to 0.5.

COMPONENTS · CHECKBOX & RADIO

The *checkbox*.

A small selection primitive for independent yes/no choices — many boxes, each toggled on its own. It rests in neutral ink; the box fills with primary ink when checked — the accent appears only as the focus ring; selection and focus are the only moments color speaks.

ANATOMY

CHECKBOX

INDETERMINATE

1

Box — 16px control, 1.5px border, rounded-sm. Filled with primary ink (obsidian) when selected.

2

Indicator — Check or Minus (MixedGlyph) shown only when checked or indeterminate.

3

Label — a separate Label beside the box; the field is box + label together.

SIZES · DATA-SIZE

sm

14px box · dense lists

checked

empty

md · default

16px box · standard forms

checked

empty

lg

20px box · touch / prominent

checked

empty

CHECKBOX · SELECTION STATES

unchecked

data-state="unchecked" · resting

Email reminders

checked

data-state="checked" · Check glyph

Email reminders

indeterminate

data-state="indeterminate" · Minus / MixedGlyph

Select all

INTERACTION STATES

default

hover · border firms

focus-visible · 3px ring

checked · active

disabled · 0.5

IN CONTEXT · A CHECKLIST

Email reminders before each session

SMS confirmations

Marketing newsletter

Partner offers — unavailable

COMPONENTS · DIALOG

A focused *moment*.

A Radix-driven modal that dims the room and asks for one decision. Composed from named slots — no variant or size axis; width is one responsive ceiling, and the lone accent is the focus ring on its close.

ANATOMY

2

Confirm your session

Thursday, 2:00 PM with Avery. You can reschedule up to 24 hours before.

Cancel

Confirm

3

5

4

1

Overlay — bg-black/50 backdrop-blur-sm, dims + blurs the room, z-50

2

Content — centered surface, rounded-lg border p-6 shadow-lg

3

Header → Title + Description — text-lg font-semibold over muted text

4

Footer — actions, right-aligned on sm, reversed-stacked below

5

Close — top-right glyph, showCloseButton toggles it

USAGE

DO

Always pair **DialogTitle** with **DialogDescription** — Radix needs them for the accessible name. Keep the footer to one **cta** plus a neutral dismiss.

DON'T

Don't nest scrolling pages or multi-step flows inside. A Dialog is one decision; use a Sheet or full route for anything longer.

SUB-COMPONENTS · THE COMPOSITION

Dialog · DialogTrigger	
Root state + the element that opens it	Book a session
DialogContent	max-w-lg
DialogHeader · Title · Description	Title
Stacked heading block, gap-2	
DialogFooter · DialogClose	Cancel
Right-aligned actions + dismiss	
WIDTH · ONE RESPONSIVE CEILING	
base	w-full - 2rem
max-w-[calc(100%-2rem)] — full width less a 1rem gutter each side	
sm:	max-w-lg
≥ 640px caps at max-w-lg (32rem)	

STATES

×

default
opacity 70

×

hover
opacity 100

×

focus-visible
ring-2 ring-offset-2

×

active
data-state open

×

disabled
no pointer events

PROPS

PROP · SLOT	TYPE	NOTES
showCloseButton	boolean	On DialogContent. Default true — renders the top-right close glyph with the sr-only "Close" label.
open · onOpenChange	boolean · fn	Radix Root props, forwarded via rest spread — controlled open state.
data-slot	string	Every part carries one — dialog, dialog-trigger, dialog-overlay, dialog-content, dialog-header, dialog-footer, dialog-title, dialog-description, dialog-close.
className	string	Merged via cn() on Overlay, Content, Header, Footer, Title, Description.

COMPONENTS · INPUT

The *input*.

A single-line field with optional prefix, suffix, helper text, and clear button. Three variants, three sizes — the border carries the state, and accent is reserved for the moment of focus.

Anatomy

			DATA-SLOT
Q Search entries ×			
input-prefix	input	input-clear	input-helper
Leading glyph slot — not focusable	The native field, placeholder ink	Trailing X when clearable + value	Message below, aria-describedby

Variants

DEFAULT	VARIANT
VARIANT="DEFAULT"	
Email address	
Resting field — driftwood border, primary ink.	
ERROR	VARIANT="ERROR" · ARIA-INVALID
avery@	
Enter a valid email address.	
WARNING	VARIANT="WARNING" · ADVISORY
(555) 01	
This number looks incomplete — no aria-invalid.	

Sizes

	DATA-SIZE · DESIGN	SPECIFICATION
sm	Compact row	--control-h 32px
md	Default field	--control-h 36px · default
lg	Comfortable form	--control-h 44px

States

DEFAULT	HOVER
Full name	
FOCUS-VISIBLE	ACTIVE
Avery Lindqvist	
DISABLED	SKELETON
Not editable	

Focus draws a 3px terracotta ring (focus-visible: ring-2 ring-offset-2). Disabled dims to .5 with cursor-not-allowed. Every other state lives in neutral ink.

Usage

Usage

✓ DO

Pair error with a written helper line — the icon and message carry meaning, never color alone.

✗ DON'T

Don't set variant="warning" for true failures — warning is advisory and never sets aria-invalid.

Props

PROP	TYPE	DEFAULT
variant	'default' 'error' 'warning'	'default'
data-size	'sm' 'md' 'lg'	md
error	boolean	false
prefix	ReactNode	—
suffix	ReactNode	—
helper	ReactNode	—
clearable	boolean	false
onClear	() => void	—
clearLabel	string	'Clear input'
warningLabel	string	'Warning'

Behavior & *contract*.

The trigger carries the only interactive surface — hover firms the edge, focus draws the accent ring, open mirrors focus. Highlighted rows stay neutral; emphasis never tints the field itself.

STATES · TRIGGER

9:00 AM

▼

default

9:00 AM

▼

hover · edge firms

9:00 AM

▼

focus · 3px ring

9:00 AM

▼

open · data-state

9:00 AM

▼

disabled · 0.5

USAGE

DO

Give the **Value** a clear placeholder when nothing is chosen, and group long lists with a **Label** and **Separator** so options stay scannable.

DON'T

Don't tint the trigger or highlighted item with accent — emphasis lives only in the **focus ring**. The highlighted row uses the neutral secondary surface.

PROPS

PROP	TYPE	DEFAULT	NOTES
data-size	"sm" · "md" · "lg"	"md"	On Trigger — redefines --control-h / --control-px (32 / 36 / 44px). Not a CVA size.
value · defaultValue	string	—	Controlled / uncontrolled selected value, forwarded to the Radix Root.
onValueChange	(value: string) => void	—	Fires when the user picks a new item.
placeholder	ReactNode	—	On SelectValue — shown in muted ink when nothing is selected.
position	"popper" · "item-aligned"	"popper"	On Content — placement strategy for the portalled list.
container	HTML Element null	document.body	On Content — portal target when nested inside another portalled surface.
disabled	boolean	false	Dims the trigger to 0.5 and blocks pointer events. Per-item on SelectItem too.

COMPONENTS · SELECT

The *select*.

A Radix-backed trigger that opens a portalled list of choices — one value, chosen from many. There is no emphasis axis; the surface stays neutral, and accent appears only as the focus ring on the active field.

ANATOMY

Morning · 9:00 AM

Morning · 9:00 AM

Midday · 12:30 PM

1 **Trigger** — value + chevron, 1.5px border, --r-md radius, soft shadow

2 **Value** — selected text; placeholder reads in driftwood muted

3 **Content** — portalled popover, padded list on white surface

4 **Item** — row + right-aligned check on the selected option

PARTS · THE COMPOUND

SelectTrigger

Closed field · value + chevron

Morning · 9:00 AM

SelectValue

Placeholder · empty state

Choose a time...

SelectContent

Open list · Label, Items, Separator

Weekday

Morning · 9:00 AM

Midday · 12:30 PM

Evening · 6:00 PM

Weekend · full

SIZES · DATA-SIZE

sm

--control-h 32px · compact rows

Morning

md · default

--control-h 36px · standard field

Morning

lg

--control-h 44px · touch / prominent

Source · @tarva/ui · ui/select.tsx

Morning

COMPONENTS · TABLE

Quietly *tabular*.

A theme-agnostic set of eight slots in an overflow-auto container. Density is the single knob — comfortable, compact, or spacious — set once on the root and read by every head and cell through context. Status lives in moss, amber, and rust; accent appears only on a selected row.

ANATOMY · 8 SLOTS

CLIENT	PLAN	SESSIONS
Avery Lindqvist	Restore	12
Maren Okafor	Renew	8
Total		20

TableCaption — caption-bottom, muted

- 1

Table — `caption-bottom` root in an overflow-auto container
- 2

TableHeader — faint tint, hairline below
- 3

TableHead — left-aligned, medium, muted label
- 4

TableBody · **TableRow** — last row drops its border
- 5

TableCell — align-middle, density-padded
- 6

TableFooter — muted fill, top border, medium

USAGE

DO

Set **density** once on **Table** — context threads it to every **TableHead** and **TableCell**. Right-align numerals and set them in mono.

DON'T

Don't reach for **Table** when you need sort, filter, or virtualized scroll — that is **DataGrid**. Keep accent off cells; reserve it for the selected row only.

PROPS · <TABLE>

PROP	TYPE	DEFAULT	NOTES
density	comfortable · compact · spacious	"comfortable"	Visual density. Provided via context to descendant heads + cells; sets data-density on the table.
className	string	—	Merged onto the root via <code>cn()</code> . Same on every slot.
...props	ComponentProps<'table'>	—	Native table attributes forwarded through the rest spread.

DENSITY · THE ONE VARIANT AXIS

compact	h-8 · py-2
USER	ROLE
okafor	Admin
lindqvist	Coach
navarro	Viewer

comfortable	h-10 · p-3
USER	ROLE
okafor	Admin
lindqvist	Coach
navarro	Viewer

spacious	h-12 · py-4
USER	ROLE
okafor	Admin
lindqvist	Coach
navarro	Viewer

COMPOSED TABLE · STATUS COLUMN

CLIENT	PROGRAM	STATUS	NEXT VISIT
☒ Avery Lindqvist	Restore · 12-wk	● Active	Jun 28
☐ Maren Okafor	Renew · 8-wk	● Pending	Jul 02
☐ Theo Navarro	Reset · 6-wk	● Lapsed	—
☐ Saoirse Bell	Restore · 12-wk	● Paused	Aug 11
4 clients		● 1 active	3 booked

ROW STATES · <TABLEROW>

Default row	Hover row	Focused row	Selected row	Disabled row
default	hover · muted/50	focus-visible	data-state=selected	aria-disabled

COMPONENTS · TABS

One view, *switched*.

A Radix-backed primitive that swaps panels in place. The variant — segmented, pill, or underline — is set once on the root and flows to every trigger through context. Accent rests on the underline indicator alone.

ANATOMY

OverviewSessionsNotes

Panel content for the active tab renders here — only the selected `TabsContent` mounts.

1

Tabs — root; variant set once, shared via context to children

2

TabsList — the trigger track; `role="tablist"`

3

TabsTrigger — one per panel; carries `data-state`

4

TabsContent — the panel; only the active one is shown

USAGE

DO

Set **variant** once on the `<Tabs>` root and let context carry it. Use **underline** for page chrome, **segmented** for settings and filters.

DON'T

Don't add accent fills to **segmented** or **pill** active states — the active pill takes **primary** ink. Accent is reserved for the **underline** indicator.

SIZES · DATA-SIZE

smCompact toolbars

DayWeek

mdDefault control height

DayWeek

Source · @tarva/ui · ui/tabs.tsx

lgProminent / spacious

DayWeek

VARIANTS

segmentedDefault · pill cluster on a muted track

OverviewSessionsNotes

pillStandalone pills · no track

OverviewSessionsNotes

underlineIndicator on bottom border · page chrome

OverviewSessionsNotes

TRIGGER STATES · SEGMENTED

Inactiveinactive

Hoverhover

Focusfocus-visible · ring-2

Activeactive · data-state

Disableddisabled · 0.5

PROPS

PROP	TYPE	DEFAULT	NOTES
variant	segmented · pill · underline	"segmented"	Set on <code><Tabs></code> root; propagates to <code>TabsList</code> + <code>TabsTrigger</code> via context.
data-size	sm · md · lg	—	On <code>TabsTrigger</code> . A data attribute (not a CVA variant) that redefines <code>--control-h</code> / <code>--control-px</code> . Omit for the per-variant default.
value / defaultValue	string	—	Controlled / uncontrolled active tab. Forwarded to Radix Root.
onValueChange	(v: string) => void	—	Fires when the active tab changes.
disabled	boolean	false	On <code>TabsTrigger</code> — dims to 0.5 and removes pointer events.

Above the *component*.

Patterns are composed, opinionated recipes — several primitives wired into a ready-to-use solution. Where a Component gives you one part, a Pattern hands you the assembled whole: the filter bar already connected to its drawer, the board that already knows how to move a card between columns.

Filtering

01

Pare a long index down to what matters — search, quick pills, and a drawer of deeper controls, every active filter shown as a removable chip.

FilterBar · FilterDrawer · AppliedFilterChipRow

Kanban Board

02

A column board you drag work across — bookings or treatment plans moving through stages, card order and column committed on drop.

KanbanBoard · KanbanColumn · KanbanCard

Dialogs

03

Stop the client for one decision or one short form — a confirm before a destructive change, a focused form without leaving the page.

ConfirmDialog · FormDialog · AlertDialog

Notifications

04

Tell the client what just happened, at the right volume — a transient toast, a standing banner, an inline line, a bell-and-panel centre.

NotificationBanner · NotificationInline · Toaster · NotificationCenter

States & help

05

The honest in-between screens — empty lists, error pages, a search across everything, and the keyboard map that moves faster than the mouse.

EmptyState · ErrorPage · FederatedSearchCommand · ShortcutOverlay

WHERE PATTERNS SIT

Patterns

Composed recipes — several primitives wired into one ready solution.

Components

The 117 primitives — one part each, the building blocks.

Layout & Shell

Page frame, regions, and navigation the recipe lives inside.

WHICH ONE TO REACH FOR

PATTERN VS. COMPONENT

Patterns compose **Components** + **Layout & Shell**. Reach for a Pattern when you want the assembled recipe; reach for a Component when you need one primitive.

OPINIONATED BY DESIGN

Each recipe carries decisions already made — apply-vs-live filtering, where the toast stacks, what an empty list says. Take the default, or lift a primitive out and wire your own.

PATTERNS · FILTERING

Narrow the *list*.

A composed recipe for paring a long index down to what matters — search, quick pills, and a drawer of deeper controls, with every active filter shown as a chip the client can lift off one at a time.

1 Filter Bar

FilterBar · single-row

Q Search clients...

Treatment ▾

Upcoming · 18

Past · 64

≡ More filters

3

2 Applied Filter Chip Row

AppliedFilterChipRow

Treatment: Facial ✕

Status: Booked ✕

This month ✕

Clear all

MR	Maya Reyes Signature Facial · 60 min	● Booked	Jun 24 · 10:00
DC	Devon Cho Hydrating Facial · 45 min	● Booked	Jun 26 · 14:30
AT	Amara Tran Brightening Facial · 60 min	● Hold	Jun 28 · 11:15

FilterBar.Search + .Select + .PillGroup (single) + a .Actions "More filters" trigger. The selected pill and the trigger's active-count badge are the only places accent fires here.

3 Filter Drawer

FilterDrawer · applyMode="apply"

Filters

×

TREATMENT · MULTI-SELECT

☒ Facial

☐ Massage

☐ Microneedling

☐ Peel

STATUS · SINGLE

☒ Booked

☐ Hold

☐ Any

DATE RANGE

2026-06-01

→

2026-06-30

Reset

Apply

FilterField[] schema renders grouped multi-select checkboxes, a single radio set, and a date-range. With applyMode="apply" the draft holds until **Apply** commits.

COMPOSES

Input Select Checkbox RadioGroup Chip Drawer Button

WHEN TO REACH FOR IT

Reach for the assembled recipe when a list has more than one axis to narrow — search plus status plus date. For a single quick filter, a lone PillGroup or Select is enough.

PATTERNS · KANBAN

Move the work *across*.

A composed board for walking a client from first inquiry to follow-up — four toned columns, draggable appointment cards, and a count on every lane, so the front desk reads the day at a glance and nudges each booking one step along.

1 Treatment Pipeline

KanbanBoard · 4 columns

Inquiry3

RO Rosa Okafor
Consultation · skin
New · today
Awaiting

PN Priya Natarajan
Microneedling · intro
Web form
Awaiting

TM Theo Marsh
Peel · enquiry
Referral
Awaiting

Booked3

MR Maya Reyes
Signature Facial · 60m
Jun 24 · 10:00
Confirmed

DC Devon Cho
Hydrating Facial · 45m
Jun 26 · 14:30
Deposit due

In treatment2

AT Amara Tran
Brightening Facial · 60m
Now · room 2
In room

JL Jonah Levin
Deep-Tissue · 75m
Now · room 1
In room

Follow-up2

SK Sana Khoury
Peel · review visit
Jul 2 · 11:00
Rebooked

GA Gabriel Adeyemi
Facial · aftercare call
Jul 4
No reply

KanbanBoard maps four KanbanColumn definitions, each with a tone header strip and a live count. renderCard draws a KanbanCard with its KanbanCardHandle; the lifted card carries a DragOverlay with the only accent on the page — its active drop ring.

COMPOSES

Card

Tone

Badge

Avatar

ScrollArea

WHEN TO REACH FOR IT

Reach for the board when work moves through a small set of named stages and the front desk needs to drag an item from one to the next — bookings ageing from inquiry to follow-up. When stages are fixed and nothing is dragged, a grouped Table or a stage Select reads cleaner.

DRAG & DROP

Columns are vertical sortable lists; a card is grabbed by its KanbanCardHandle. On drop, onDragEnd(itemId, from, to, index) fires once — the board stays controlled, so the column counts and the client record update together.

Ask, then *commit*.

Two ready-made dialog recipes that dim the room for one decision — a Confirm Dialog for an irreversible yes/no, and a Form Dialog for a short bit of structured input — each with a quiet dismiss and one primary action.

1

Confirm Dialog

Cancel this appointment?

×

Maya Reyes' Signature Facial on Jun 24 at 10:00 will be released and the slot reopened. This can't be undone.

MR

Maya Reyes

Jun 24 · 10:00 · Avery

Keep it

Cancel appointment

ConfirmDialog wraps AlertDialog. variant="destructive" tints the AlertDialogAction rust; AlertDialogCancel stays neutral.

2

Form Dialog

New booking

×

Add a client and a treatment to open a slot on the calendar.

Client *

Devon Cho

Treatment *

Hydrating Facial

▼

Date & time *

Jun 26 · 14:30

📅

Note

Optional — prep, allergies, requests...

Visible to the assigned practitioner only.

Cancel

Save booking

FormDialog wraps Dialog, with a <form> of Field → Label + Input. Footer is an outline Cancel and a submit Save (submitDisabled while saving).

COMPOSES

Dialog

AlertDialog

Button

Field

Label

Input

Select

WHEN TO REACH FOR IT

Reach for `ConfirmDialog` for any irreversible yes/no — a cancellation, a release, a delete — where the user must read before they act. Reach for `FormDialog` when a short, self-contained set of fields needs to be captured without leaving the page.

NOT FOR

Don't house multi-step flows or long scrolling forms in a dialog — a dialog is one decision. For anything longer, route to a full page or a Sheet.

Source · @tarva/ui · Patterns/Dialogs

Tarva BXD · 2026-06-23

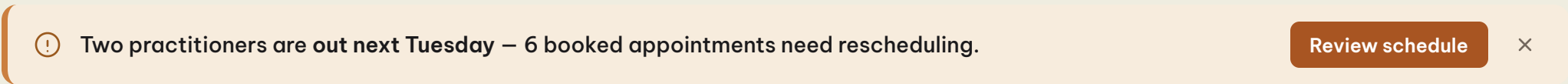
PATTERNS · NOTIFICATIONS

How the system *reports back.*

Four surfaces for one job — telling the practice what just happened. A page banner for system-wide notices, an inline note in context, a transient toast in the corner, and the notification center where everything is kept. Colour never carries the message alone; every hue is paired with an icon and words.

1 Banner

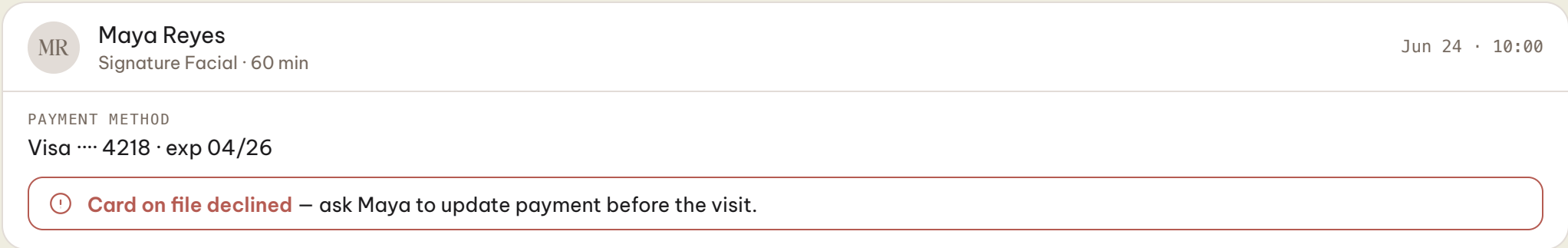
NotificationBanner · variant="warning"



NotificationBanner spans the page top with `variant · message · optional action · onDismiss`. `role="alert"`. Amber = warning; the only accent here is the real CTA button.

2 Inline

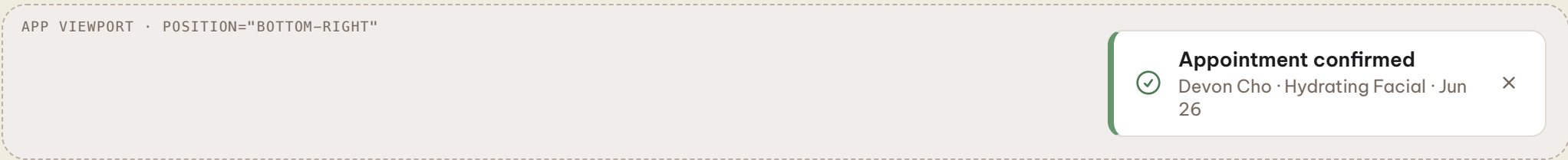
NotificationInline · variant="error"



NotificationInline sits beside the field it concerns — `variant · message`, bordered, single line, `role="status"`. Rust = error; no dismiss, no action — it stays until the cause is fixed.

3 Toast

Toaster · toast.success()

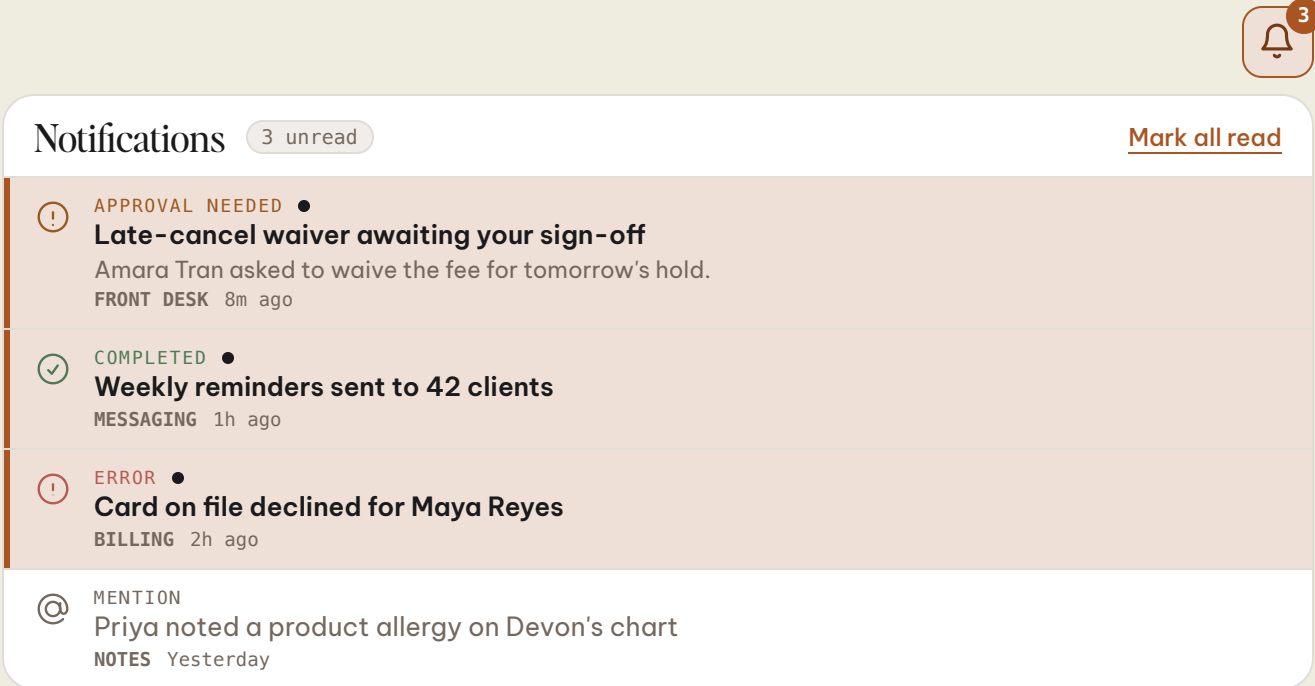


Toaster mounts once at the root; `toast.success()` fires a transient confirmation that auto-dismisses. Moss = success. Stacks bottom-right — quiet, never blocking the work.

Source · @tarva/ui · Patterns/Notifications

4 Notification Center

NotificationCenter · open



NotificationCenter = NotificationBell (unread Badge) + NotificationPanel. Items carry a type kicker, an unread dot, agent + relative time, and a **Mark all read** action. Read rows recede to secondary.

COMPOSES

Alert Toast Badge ScrollArea Button

STATUS HUES

Moss · success Amber · warning Rust · error Stone · neutral

WHEN TO REACH FOR IT

Match the surface to the urgency. A **banner** for practice-wide notices, an **inline** note where the problem lives, a **toast** for fire-and-forget confirmations, and the **center** for anything that must wait to be read. One event, one surface — never all four at once.

Tarva BXD · 2026-06-23

PATTERNS · STATES & HELP

When the room is *quiet*.

The patterns that hold the edges — an empty calendar, a wrong turn, a search across everything, and the keys that move faster than the mouse. Calm scaffolding for the moments between the happy path.

1 Empty StateEmptyState · size="default"



No appointments yet

Your calendar is clear for today. Book a client in to see it appear here.

+ Book appointment

icon + title + description + a `ReactNode` action. The icon sits in a muted ring; accent fires only on the single primary CTA.

2 Error PageErrorPage · code={404}



404

We couldn't find that page

The treatment or booking you're looking for may have moved, or the link has expired.

⬆ Back to dashboard

role="alert" with a destructive ring, optional code, title, message, and an action slot. The recover button is the route home.

3 Federated SearchFederatedSearchCommand · open

Q maya

Esc

All

👤 Clients

📅 Appointments

+ Treatments

CLIENTS

👤

Maya Reyes

Member since 2024 · 12 visits

👤

Maya Okonkwo

New client · intake pending

APPOINTMENTS

📅

Maya Reyes · Signature Facial

Jun 24 · 10:00 · Room 2

Command inside a `Dialog`: a `CommandInput`, facet pills, then `CommandGroup` headings of `CommandItem` rows. Accent marks the focused option and the active facet only.

4 Keyboard ShortcutsShortcutOverlay · Cmd+?

Keyboard Shortcuts

×

NAVIGATION

Open command palette⌘ K

Go to today's schedule⌘ 1

LAYOUT

Toggle sidebar⌘ B

Toggle client panel⌘ I

GENERAL

Show keyboard shortcuts⌘ ⇧ ?

Close overlay / go backEsc

`ShortcutOverlay` reads every registered shortcut, groups by group, and renders each as a `kbd` of formatted modifier + key glyphs.

COMPOSES

EmptyState Command Dialog kbd Button

WHEN TO REACH FOR IT

Reach for these when the screen has nothing to show, took a wrong turn, or needs to find one thing across many. `EmptyState` and `ErrorPage` are full-surface; `FederatedSearchCommand` and `ShortcutOverlay` are app-wide overlays mounted once near the root.

ONE QUIET VOICE

Every dead-end speaks the same way — a calm line, one clear action, never a scolding. Accent appears once per surface: the recover button, the focused result, the active facet.

The *frame*.

Layout & Shell is the application chrome that wraps every screen. It owns the page-level landmark regions — banner, navigation, complementary, and main — mounts the single skip-link and toaster, and handles the responsive sidebar collapse, so each individual page is free to stay focused on its content.

App Shell

01

One component assembles the whole application frame — top bar, navigation rail, page header, and content well — each a real WCAG landmark, wired with the skip-link and responsive collapse.

AppShell · topbarSlot · sidebarSlot · children · fabSlot

Sidebar

02

The primary navigation rail — brand, grouped nav items with counts and active state, and a footer that holds the collapse handle. Expands and collapses, persisting per breakpoint.

Sidebar · Brand · Group · Item · Footer

Top chrome

03

The three pieces that run along the top — the Top Bar that holds search and actions, the per-page header with its title, tabs, and actions, and the full-width announcement banner.

TopBar · PageHeader · Banner

THE FOUR LANDMARKS THE SHELL OWNS

banner

<header role="banner">

The Top Bar — one per document; search, actions, and the primary CTA.

navigation

primary nav · labelled <aside>

The Sidebar’s primary nav — carried on the labelled <aside>; the inner <nav> downgrades to <div> inside the shell, so there is one primary navigation per page.

complementary

<aside>

The Sidebar rail itself; absent on the public variant, which has no rail.

main

<main id="main-content">

The page’s content well — exactly one, and the skip-link’s target.

HOW TO READ THIS CHAPTER

SHELL VS. CONTENT

The shell defines **where** content sits; **Components** define **what** sits inside. Compose a shell here, then fill it with primitives and recipes from the other chapters.

LANDMARKS ONCE, NOT TWICE

AppShell already renders all four landmarks, so a nested TopBar or Sidebar reads the landmark context and downgrades — asLandmark="auto" means no double-banner, no double-nav.

LAYOUT & SHELL · APP SHELL

The whole *frame*.

One component assembles the application: a top bar, a navigation rail, a page header, and the content well — each a real WCAG landmark, wired with the skip-link and responsive collapse so every screen inherits the same bones.

★ AppShell · assembled

1 Top Bar · header · banner

2 Sidebar · aside · nav

3 Page Header · region

4 Main · main · #main-content

Appointments 18

Calendar

Clients

Client list 312

Memberships

Treatments

Service menu

Intake forms

Reports

Revenue

Theme

SCHEDULE

Today at the clinic

Tuesday · 9 booked, 2 on hold across 3 treatment rooms.

Schedule

Rooms

Waitlist

BOOKED TODAY

18

+3 vs. avg.

UTILIZATION

82%

+6 pts

OPEN HOLDS

2

awaiting reply

Up next

View all →

MR

Maya Reyes

Signature Facial · Room 2

Booked

10:00

DC

Devon Cho

Microneedling · Room 1

Booked

11:30

AT

Amara Tran

Brightening Peel · Room 3

Hold

13:15

- 1 Top Bar

<header role="banner"> · TopBar.Search · TopBar.Actions
- 2 Sidebar

<aside> + primary <nav> · Brand · Group · Item · Footer
- 3 Page Header

<header role="region"> · Eyebrow · Title · Subtitle · Actions · Tabs
- 4 Main content

<main id="main-content"> · the page's content well

COMPOSES

AppShell

TopBar

Sidebar

PageHeader

Button

Input

Avatar

Tabs

Badge

WHEN TO REACH FOR IT

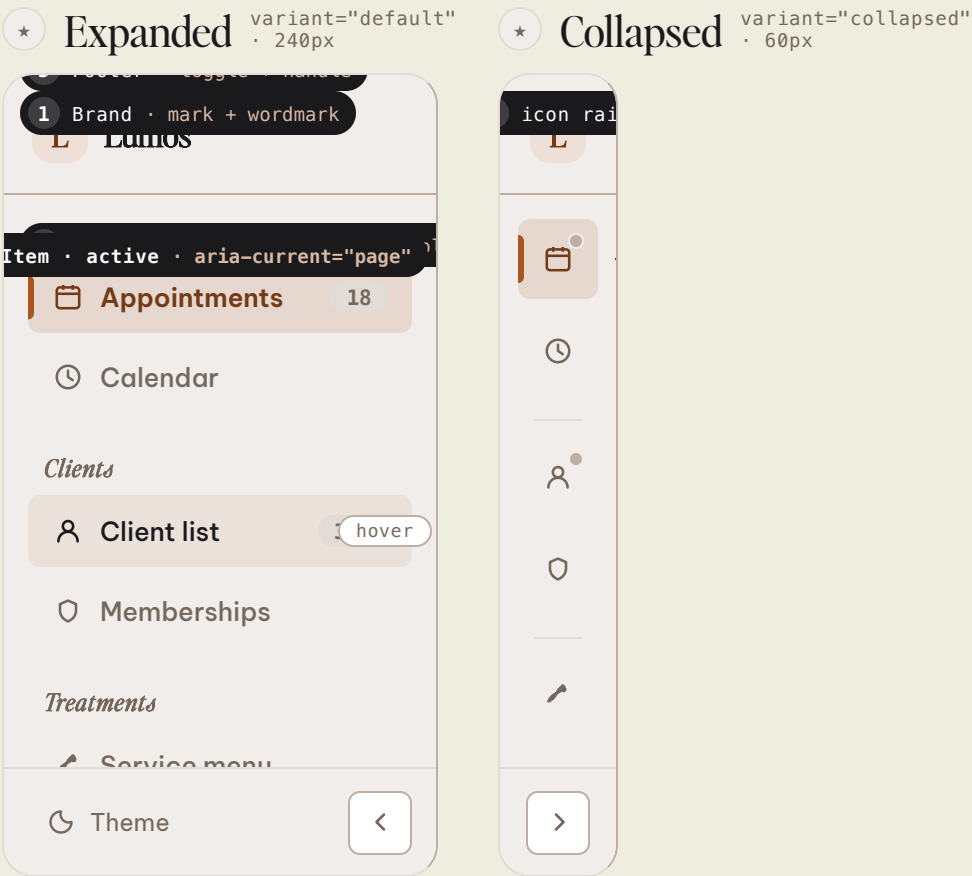
Reach for AppShell for any full application screen — it owns the four landmarks, the skip-link, the toaster mount, the ⌘K / [hotkeys, and the responsive sidebar collapse, so individual pages stay focused on their content. Marketing and auth pages use the public variant (no rail); a focus board uses focus (frozen collapsed rail).

AppShell owns the page-level landmarks and the responsive grid: [sidebar] [main] columns, [topbar] [content] rows. It mounts a single skip-to-main link, one <main id="main-content">, and persists the sidebar collapse per breakpoint. Slots: topbarSlot · sidebarSlot · children · fabSlot.

LAYOUT & SHELL · SIDEBAR

The navigation *rail*.

The persistent rail that holds a product's primary navigation — grouped sections, one active page, optional counts — that collapses from a 240-pixel column to a 60-pixel icon rail without losing its place.



Sidebar `variant="default"` renders an `<aside>` + inner `<nav>` (downgraded to `<div>` inside `AppShell` via `asLandmark="auto"`). Width is `--shell-sidebar-w-expanded` (240px). Active item carries `aria-current="page"`; the count badge is a soft `Badge`.

At `--shell-sidebar-w-collapsed` (60px) labels go `sr-only`, counts become a brand dot at the icon corner, and each item gets a right-side `Tooltip` on hover or focus. `useSidebar()` drives the toggle; { flips it when `handleCollapseHotkey` is set.

- 1 Sidebar.Brand

mark + wordmark · sticky top · border-b

2 Sidebar.Group

label · font-display italic · sr-only collapsed

3 Sidebar.Item

icon · label · badge · active strip

4 Sidebar.SubItem

nested · indented under its Item

5 Sidebar.Footer

theme toggle child + collapse handle

6 collapsed rail

variant="collapsed" · icon-only · tooltips

COMPOSES

- Sidebar

Sidebar.Brand

Sidebar.Group

Sidebar.Item

Sidebar.SubItem

Sidebar.Footer

Badge

Tooltip

ScrollArea

WHEN TO REACH FOR IT

Reach for `Sidebar` for a product's primary navigation rail — it owns the `<aside>` + `<nav>` landmarks, grouped sections, the active `aria-current` state, and the persisted collapse. Use `variant="default"` for the standard collapsible rail, collapsed for an icon-first rail, focus for a frozen 60px rail on live-session screens, and `mobile-drawer` inside a `Sheet`. Inside `AppShell` the landmarks downgrade automatically.

LAYOUT & SHELL · TOP CHROME

Top of the *frame*.

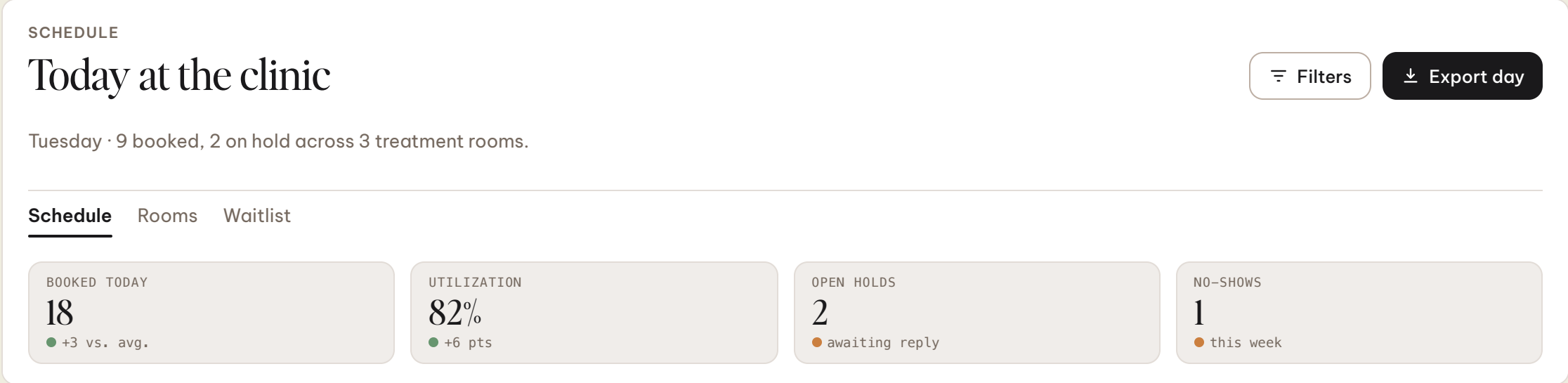
Three parts settle along the top edge of every clinic screen: a Top Bar for search and global actions, a Page Header that names the view, and a Banner that speaks up only when the system has something to say.

1 Top Bar



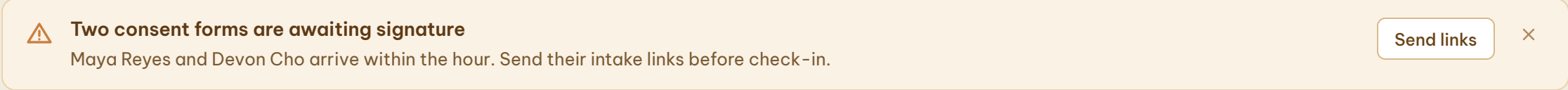
TopBar.Lleading holds the logomark, TopBar.Search is the K trigger (declared through aria-keyshortcuts), and TopBar.Actions carries the bell, the one accent CTA, and the user avatar. Inside an AppShell it drops its banner landmark automatically.

2 Page Header



The locked part stack: Eyebrow → Title → Actions → Subtitle → Tabs → MetricRow, rendered as <header role="region" aria-labelledby>. The active tab underlines in neutral ink — accent stays reserved for the Top Bar CTA.

3 Banner



● info ● success ● warning ● danger ● accent

Banner is the page-level system message — distinct from inline Alert and transient Toast. Five severities, each with its own icon so meaning never rides on color alone; danger escalates to role="alert", the rest stay role="status" · aria-live="polite".

1 Top Bar

<header role="banner"> · Leading · Search · Actions

2 Page Header

<header role="region"> · Eyebrow · Title · Actions · Subtitle · Tabs · MetricRow

3 Banner

role="status" · Title · Description · Actions

COMPOSES

- TopBar
- PageHeader
- Banner
- MetricRow
- Button
- Input
- Avatar
- Tabs
- Badge

WHEN TO REACH FOR IT

Reach for TopBar once per app — it owns the banner landmark and the K search hotkey. Reach for PageHeader on every screen to name the view and hang its actions and tabs off one region landmark. Reach for Banner only when the whole page needs to hear something — a deadline, an outage, a promotion — and let Alert handle the inline case, Toast the fleeting one.

The *table*.

The Data Grid is the data-table surface — one surface, two adapters: AG Grid for the enterprise features, TanStack for the lighter, headless cases. Each has its own grid props, but both share the same typed cell renderers — import the adapter that fits, and format every column the same way. For a short, static list, a plain Table stays lighter.

The Grid

01

The whole table assembled in Lumos — toolbar, sortable and selectable rows, typed cells, and a paginated footer, plus the built-in Loading, Empty, and Error states.

DataGrid · density · selectionMode · quickFilter · pagination

Cell Renderers

02

The typed cell system every column passes through — status pills, badges, money, dates, percent bars, booleans, and the row actions menu. Shared by both adapters.

StatusCell · BadgeCell · CurrencyCell · DateCell · PercentCell · BooleanCell · ActionsCell

THE ADAPTER MODEL

DataGrid surface

One density, selection, and filtering model; one set of typed cell renderers, shared by both adapters.

shared renderers

AG Grid

The enterprise engine — rowData / columnDefs, AG Grid 34+ as an optional peer dep.

TanStack

The lighter, headless engine — rows / columns / state, owns its own render tree so every cell inherits Lumos tokens.

WHICH ONE TO REACH FOR

TWO ADAPTERS, SHARED RENDERERS

Each adapter has its own grid props — AG Grid takes `rowData` / `columnDefs`, TanStack takes `rows` / `columns` — but both pass values through the same typed **cell renderers**. TanStack drives Loading / Empty / Error from one **state** prop; AG Grid keys off a **loading** flag and a no-rows overlay.

DATA GRID VS. A PLAIN TABLE

Reach for **Data Grid** when a dataset is large, sortable, or selectable. For a short, static list, a plain **Table** stays lighter — no AG Grid peer dep, no adapter.

DATA GRID · THE GRID

The whole table, *assembled.*

A sortable, selectable clients grid in Lumos – toolbar, typed cell renderers, and a paginated footer. Status reads in moss, amber, and rust; accent stays fenced to the active sort, the selected rows, and the current page.

The Grid

Quick filter clients...

Filter

2

Compact

Comfortable

Spacious

Columns

82 rows

	CLIENT	TREATMENT	APPOINTMENT	INVOICE	STATUS	UTIL.	PAID	
☒	Maya Reyes LM-2041	Signature Facial	Jun 24	\$240	Booked	92%	✓	...
☐	Devon Cho LM-1887	Hydrating Facial	Jun 24	\$180	Booked	74%	✓	...
☐	Amara Tran LM-2110	Microneedling	Jun 25	\$420	Hold	58%	✗	...
☒	Jonah Park LM-1456	Chemical Peel	Jun 26	\$315	Booked	81%	✓	...
☐	Sofia Okafor LM-2233	Dermaplaning	Jun 27	\$160	Pending	46%	✗	...
☐	Elena Voss LM-1990	Lip Filler	Jun 28	\$540	Cancelled	33%	✗	...
☐	Nora Kim LM-2078	Brightening Facial	Jun 29	\$210	Booked	88%	✓	...
☐	Ravi Hale LM-1622	Massage · 60 min	Jun 30	\$120	Hold	61%	✗	...

2 of 82 selected

Rows per page101–10 of 82123>

DataGrid · selectionMode="multiple"

ALSO SHIPS THREE STATES

Loading DataGridLoadingState	Empty DataGridEmptyState	Error DataGridErrorState
---	---	---

Each adapter swaps the body for the matching overlay – TanStack via a single state prop (loading / empty / error), AG Grid via its loading flag and a no-rows overlay.

COMPOSES

DataGrid	StatusCell	BadgeCell	CurrencyCell	DateCell	PercentCell
BooleanCell	ActionsCell	Checkbox	Badge	Button	Pagination

WHEN TO REACH FOR IT

Reach for DataGrid when a dataset is large, sortable, or selectable – wired through the AG Grid or TanStack adapter behind the @tarva/ui/data-grid entry. For a short, static list, a plain Table stays lighter.

Source: @tarva/ui · Data Grid/Data Grid
One columnDefs array, rendered through the typed cell renderers – StatusCell, BadgeCell, CurrencyCell, DateCell, PercentCell, BooleanCell, ActionsCell. density="comfortable" sets the 48px row height; the typed cell renderers are adapter-agnostic; the grid props differ – AG Grid takes rowData / columnDefs / quickFilterText, TanStack takes rows / columns / quickFilter.

DATA GRID · CELL RENDERERS

Every cell, *typed*.

Seven adapter-agnostic renderers turn raw clinic values into the right cell — status pills, badges, mono money, dates, a threshold bar, a boolean glyph, and a row menu. Status reads in moss, amber, and rust; the row menu stays neutral until focus.

StatusCell

cellRenderer={StatusCell}

Maps a status key to a **StatusBadge** — color and text together, never color alone.

Appointment

Booked

Microneedling

On hold

Lip filler

Cancelled

Dermaplaning

Pending

value

categoryMap

labelMap

variant="badge"

BadgeCell

cellRenderer={BadgeCell}

Renders a value as a labeled **Badge** — outline by default, capitalized.

Treatment

Facial

Treatment

Microneedling

Tier

Member

Tier

VIP

value

variantMap

labelMap

capitalize=true

BooleanCell

cellRenderer={BooleanCell}

Shows a **check** or **cross** glyph for a boolean — or plain text via trueText / falseText.

Consent on file

✓

Patch test done

✓

Balance cleared

✕

Paid in full

TRUETEXT

YesNo

value

colored=false

trueText

falseText

CurrencyCell

cellRenderer={CurrencyCell}

Right-aligned money in **mono tabular-nums** so invoice columns line up to the cent.

Signature Facial

\$240.00

Microneedling

\$420.00

Lip Filler

\$540.00

Refund

COLORNEGATIVE

-\$80.00

value

formatOptions

colorNegative=false

DateCell

cellRenderer={DateCell}

Formats a date / string / epoch in **mono** — medium by default, with a fallback for empties.

Booked

Jun 24, 2026

Last visit

Mar 02, 2026

Follow-up

Jul 08, 2026

Not set

FALLBACK

—

value

formatOptions

fallback

PercentCell

cellRenderer={PercentCell} · showBar

A percentage in mono, optionally with a **threshold bar** — moss ≥70, amber ≥40, rust below.

Chair utilization

92%

Rebooking rate

58%

No-show rate

31%

No bar

SHOWBAR=FALSE

74%

value

showBar

colorBar

isPercentage

ActionsCell

cellRenderer={ActionsCell}

A **row menu** — an icon Button that opens a DropdownMenu of per-row actions.

⋮

Edit client

Reschedule

Send reminder

Cancel appointment

actions[]

triggerLabel="Actions"

destructive

separator

COMPOSES

StatusCell → StatusBadge

BadgeCell → Badge

BooleanCell

CurrencyCell

DateCell

PercentCell

ActionsCell → DropdownMenu

Each is a plain { value, ... } component that plugs into a DataGrid column as cellRenderer + cellRendererParams. One columnDefs array drives either the AG Grid or TanStack adapter unchanged.

WHEN TO REACH FOR IT

Reach for a typed renderer instead of a raw string whenever a column carries a status, badge, money, date, ratio, flag, or row action — so formatting and the moss / amber / rust language stay consistent across every grid. Numbers and dates always render font-mono tabular-nums so columns align.

Source · @tarva/ui · Data Grid/Cell Renderers

Tarva BXD · 2026-06-23

The product *vocabulary*.

Domain holds product-specific components that go beyond generic UI — Tarva-original material that encodes Tarva’s own product concepts: agents, pipelines, governance, a painter sub-portal. This is where the design system meets one product’s language. Tarva ships these as the reference implementation; a Lumos build would define its own domain layer here — practitioners, treatments, memberships, client journeys.

DOMAIN COMPONENTS

Agent Card	agent identity + status surface
Governance Badge	governance / compliance indicator
Operator Asset	operator-asset display
Pipeline Progress	pipeline run progress
Streaming Text	streamed-token text rendering
Tier Texture	tier-themed texture surface
Data Table	a domain-shaped data table

SUB PORTAL · THE PAINTER SUB-PORTAL CLUSTER

A self-contained cluster for the painter sub-portal — its own brand surface, payout view, and job-run rails.

Brand Mark · Iso Payout · Job Context Rail · Milestone Strip · Sub Job Card

WHY IT'S LIGHT HERE

These are Tarva’s **own** product surfaces, off-brand for a wellness book — so this chapter **maps** the layer rather than dressing agents and jobs in clinic clothes.

NOT APP-AGNOSTIC

Domain composes primitives from **Components** but bakes in product semantics, so it is **not** interchangeable with generic equivalents. Reach for **Components** for app-agnostic UI.

THE PRODUCT LAYER

Domain is the product layer. These are Tarva’s — shipped as reference. In a Lumos build, this is where you’d define your own domain components — **practitioners, treatments, memberships** — on top of Foundations, Components, and Patterns.

CHARTS · OVERVIEW

One *engine*.

Charts are the visualization layer on a **visx + d3** engine — twenty-two chart types across five families, all built on one render-prop frame. Every chart paints through a single Lumos categorical palette and shares one set of internals, so axes, grid, legend, and tooltip read identically whether you reach for a line, a treemap, or a chord.

THE FIVE FAMILIES

@tarva/ui/charts/*

Cartesian

8 types

The XY workhorses — time-series and categorical comparison on shared X/Y axes.

LineChart · AreaChart · AreaDifferenceChart · BarChart · BarGroupChart · BarStackChart · ScatterChart · StreamGraph

Radial

4 types

Polar geometry — share of a whole and cyclical or multi-axis comparison around a centre.

PieChart · RadialBarChart · RadialLineChart · RadarChart

Statistical

3 types

Distribution and density — where the values cluster, spread, and concentrate.

Heatmap · BoxPlot · ViolinPlot

Hierarchy

4 types

Nested structure — parent-child trees and part-of-whole containment.

Tree · Dendrogram · CirclePack · Treemap

Network

3 types

Relationships and flow — nodes, links, and how volume moves between them.

NetworkGraph · Sankey · Chord

ONE CATEGORICAL PALETTE · --CHART-1...14



SHARED INTERNALS · ONE SET

- ChartFrame
- Axis
- Grid
- Legend
- Tooltip
- Zoom
- ColorScaleLegend
- ResponsiveContainer

THE FRAME

ChartFrame is a pure-SVG render-prop frame — it resolves dimensions, hands an inner rect to each chart, and bakes in the **a11y baseline** (`role="img"` + an off-screen value table). It carries no `'use client'`, so charts render byte-deterministic SVG on the server.

ONE TOKEN CONTRACT

Every chart paints through the per-scheme `--chart-*` tokens, so all ten color schemes reskin every chart for free. Series cycle the palette **in order**; axes, grid, and chrome stay neutral.

CHARTS · CARTESIAN

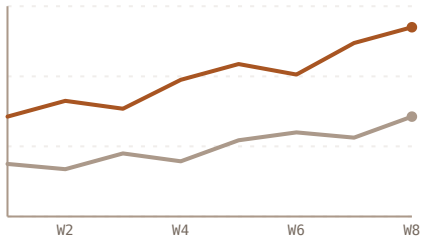
Time and category, *plotted.*

The XY family — eight visx-engine charts that paint through one `--chart-1...14` token contract. Series cycle the Lumos palette in order; axes, grid, legend, and tooltip share a single neutral chrome so the whole Charts chapter reads as one system.

THE CARTESIAN FAMILY

LineChart

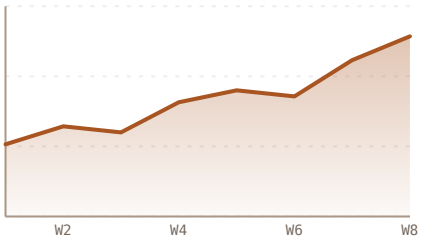
CARTESIAN



Trend over time. curve defaults linear; one series per `--chart-N`.

AreaChart

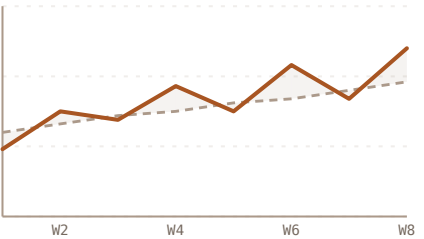
CARTESIAN



A line with a token-fill gradient under it — running totals, revenue.

AreaDifferenceChart

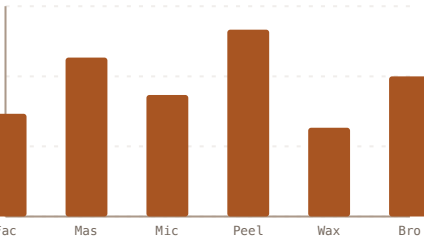
CARTESIAN



Actual vs plan. Bands take **semantic** tone — above moss, below rust.

BarChart

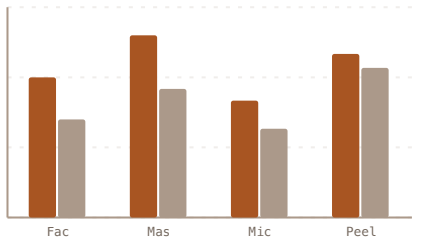
CARTESIAN



Magnitude by category — treatments booked this week.

BarGroupChart

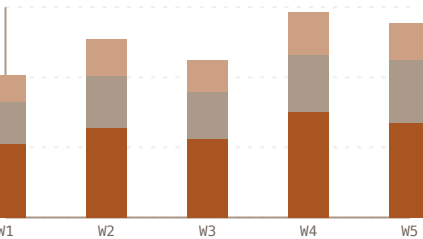
CARTESIAN



Side-by-side groups — this month vs last, per treatment.

BarStackChart

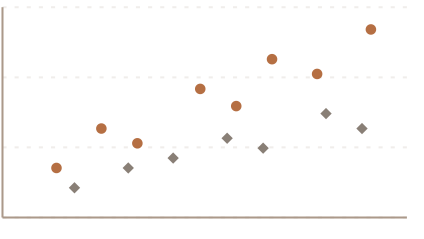
CARTESIAN



Composition within a total — booking source by week.

ScatterChart

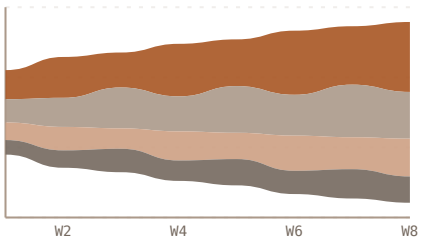
CARTESIAN



Correlation. Series identity by glyph **shape** + color.

StreamGraph

CARTESIAN



Shifting share over time — wiggle offset, basis curve.

SHARED CHROME · LEGEND

Bookings

Walk-ins

Rebookings

No-shows

SHARED CHROME · TOOLTIP

Apr · week 3

Bookings

Walk-ins

Rebookings

142

38

61

COMPOSES

visx + d3

ChartFrame

Axis

Grid

Legend

Tooltip

ResponsiveContainer

WHEN TO REACH FOR IT

Cartesian is the default for **time-series** (bookings, revenue over weeks) and **categorical comparison** (treatment mix, room utilization). Reach for `LineChart` / `AreaChart` for trend, the `Bar*` trio for magnitude and composition, `ScatterChart` for correlation, and `StreamGraph` for shifting share over time.

CHARTS · RADIAL

Measured around the *circle*.

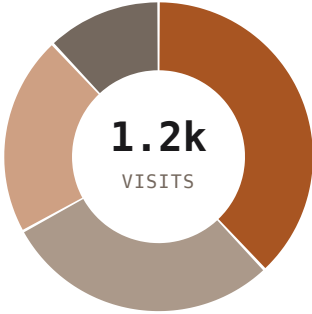
The polar family — four visx-engine charts that wrap value onto an arc, a spoke, or a ring. A polar frame renders neither `Axis` nor `Grid`; each chart lays out its own web from the neutral grid role, while series cycle the Lumos `--chart-1...14` palette in order — one shared chrome, one system.

THE RADIAL FAMILY

@tarva/ui/charts/radial

PieChart

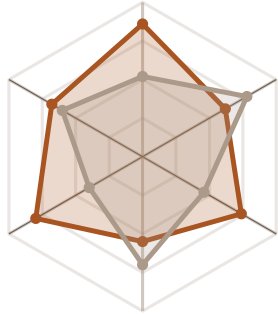
RADIAL



Part-to-whole. donut variant with a `centerSlot` KPI in the hole — `treatment-mix` share.

RadarChart

RADIAL



Compare a few profiles across many axes — `skin-health` scores. filled polygons over a spoke web.

RadialBarChart

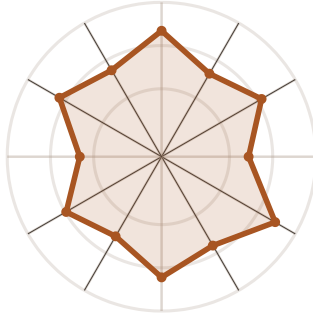
RADIAL



A circular ranking gauge. `track` variant lays a faint full-extent band behind each bar.

RadialLineChart

RADIAL



A value that loops — utilization by hour. closed ring, area fill on a polar grid.

SHARED CHROME · LEGEND

■ Facials

■ Injectables

■ Laser

■ Body

SHARED CHROME · TOOLTIP

Treatment mix · share

■ Facials

38%

■ Injectables

29%

■ Laser

21%

⊙ chart-grid · concentric rings, neutral

✚ chart-spoke · radial axes, neutral

COMPOSES

visx + d3

ChartFrame

ctx.polar

scaleRadial

Legend

Tooltip

ResponsiveContainer

WHEN TO REACH FOR IT

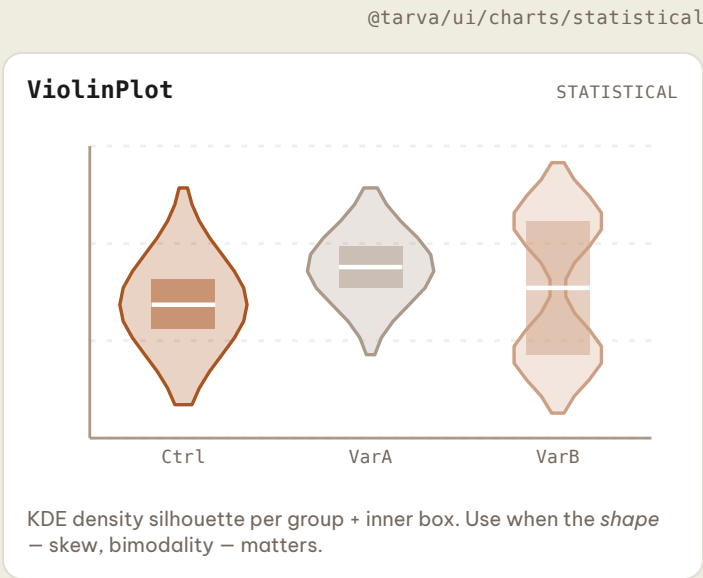
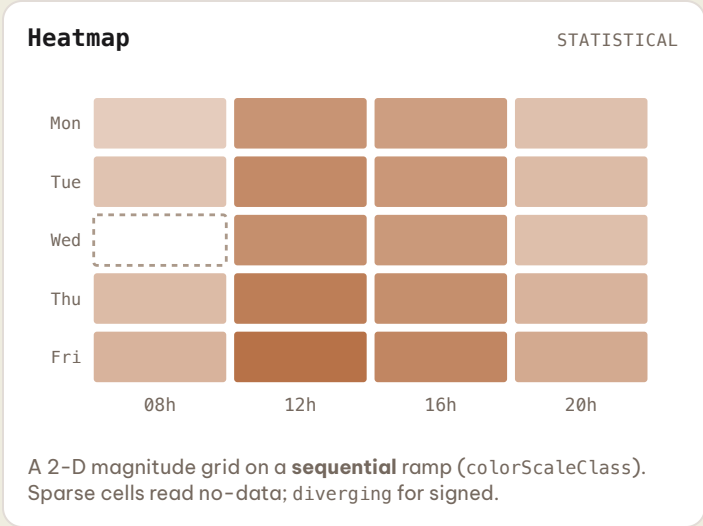
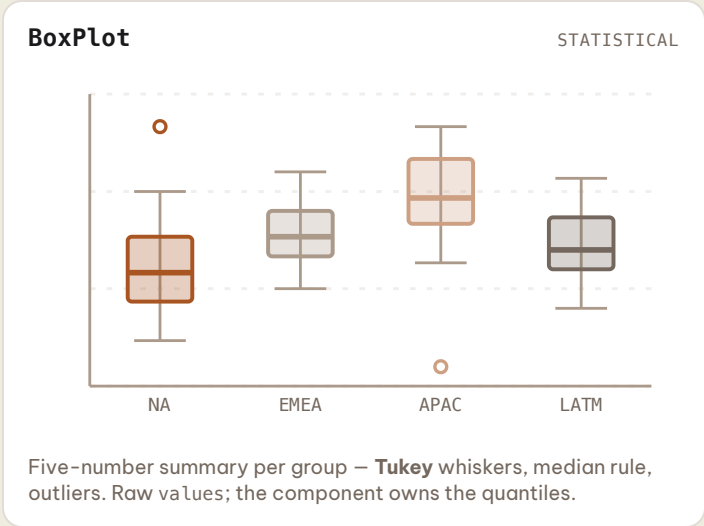
Radial is for **part-to-whole** and **cyclic shape**. Reach for **PieChart** (donut with a `centerSlot` KPI) when slices sum to a meaningful total — `treatment mix`, revenue share. **RadarChart** compares a few profiles across many axes (`skin-health` scores). **RadialBarChart** reads as a gauge ranking; **RadialLineChart** traces a value that loops — utilization by hour of day.

CHARTS · STATISTICAL

The shape of *distribution*.

The distribution family — three visx-engine charts that read spread, density, and magnitude across a grid. The `Heatmap` introduces the system's first **continuous** color ramp; `BoxPlot` and `ViolinPlot` own their own quantile + KDE math through the shared `_stats` layer.

THE STATISTICAL FAMILY



SHARED CHROME · COLORSCALELEGEND

02244

Control

Variant A

Variant B

SHARED CHROME · TOOLTIP

EMEA · response (ms)

Median131

Q1-Q3126-138

Whisker119-145

chart-axis

· solid, neutral-500

chart-grid

· dashed, border-subtle

COMPOSES

visx + d3ChartFrameAxisGridColorScaleLegendTooltip_stats

WHEN TO REACH FOR IT

Statistical is for **spread and density**, not trend. Reach for `BoxPlot` to compare five-number summaries (Tukey whiskers + outliers) across groups, `ViolinPlot` when the *shape* of a distribution — skew, bimodality — matters, and `Heatmap` for a 2-D magnitude grid on a sequential or diverging ramp.

CHARTS · HIERARCHY

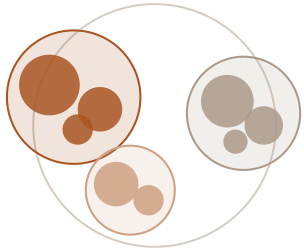
Parent and child, *nested*.

The hierarchy family — four visx-engine layouts over one nested `HierarchyInput` contract. Two node-link reads (`Tree`, `Dendrogram`) and two enclosure reads (`CirclePack`, `Treemap`); branches tint through the same `--chart-1...14` tokens by `colorBy`. No axis, no grid — just nesting.

THE HIERARCHY FAMILY

CirclePack

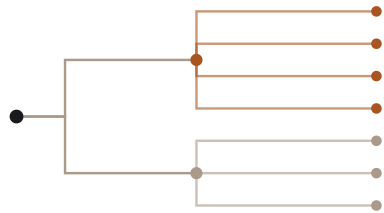
HIERARCHY



Nested circles — leaf value as packed area. Click to drill down (Zoom).

Dendrogram

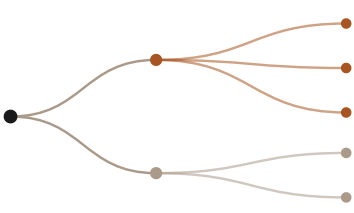
HIERARCHY



A `d3.cluster()` tree — leaves **aligned** at equal depth.

Tree

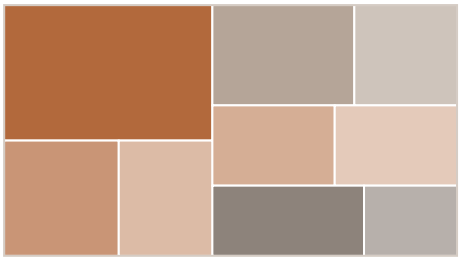
HIERARCHY



A tidy `d3.tree()` node-link — structure root → leaf, collapsible.

Treemap

HIERARCHY



Squarified nested rects — area = value, branch hue by `colorBy`.

@tarva/ui/charts/hierarchy

SHARED CHROME · LEGEND

Facials Injectables Laser Body

SHARED CHROME · TOOLTIP

Injectables > Filler

Value	128
% of parent	41%
Depth	2

colorBy · category · branch hue

tile border · axis paint, neutral

COMPOSES

visx + d3 ChartFrame useHierarchy useDepthPaint Legend Tooltip Zoom

WHEN TO REACH FOR IT

Hierarchy is for **part-of-whole nesting** — service categories, org structure, account rollups. Reach for `Tree` / `Dendrogram` to show **structure** (the node-link path from root to leaf), and `CirclePack` / `Treemap` to show **magnitude** (leaf value as packed area). One `HierarchyInput` drives all four — swap the component, keep the data.

CHARTS · NETWORK

How things *connect*.

The relational family — three visx-engine charts for entities and the flow between them. They take the family-local { nodes, links } shape, paint each group through the same --chart-1...14 contract, and draw no axes: a chord rings the disc, a network graph settles its nodes, a sankey threads quantity through stages.

THE NETWORK FAMILY

@tarva/ui/charts/network

Chord

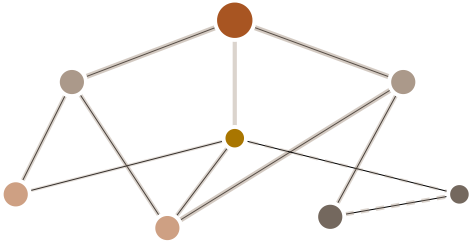
NETWORK



Pairwise flow between a **closed** entity set — referral exchange across locations. Polar frame, ribbons across the disc.

NetworkGraph

NETWORK



Node-link topology — provider & service mesh. Layout is deterministic & SSR-safe; linkType carries identity.

Sankey

NETWORK



Quantity through ordered stages — intake-to-discharge funnel. Ribbon **width** is the flow; colorBy tints by column.

SHARED CHROME · LEGEND

Intake

Consult

Treatment

Discharge

SHARED CHROME · TOOLTIP

Consult → Treatment

Flow

470

Share

62%

link

· structural hairline, weight→opacity

linkType

· solid · dashed · dotted

COMPOSES

visx + d3

ChartFrame

d3-chord

d3-sankey

Legend

Tooltip

ResponsiveContainer

WHEN TO REACH FOR IT

Network is for **relationships**, not series. Reach for Chord when flow runs between a *closed* set of entities (referral exchange between locations), **NetworkGraph** for node-link topology (provider-service maps; **layout** is deterministic and SSR-safe), and **Sankey** when quantity moves through ordered **stages** (the intake-to-discharge funnel). Keep entity counts modest — past ~12, prefer a **Heatmap**.

THEMES · OVERVIEW

Two *layers*.

Every surface in the product is two layers composed — a light/dark **mode** times a color **scheme** — over one semantic token contract. Schemes aren't hand-painted: a per-scheme palette of primitives is run through the generator (`build-themes.mjs`) into the contract, the intent tier, and a shadcn bridge — emitting the CSS the components read and the Figma variables design works from, from one source.

THE TWO-LAYER MODEL · MODE × SCHEME

Mode

next-themes · data-theme

light dark

Light and dark, switched at runtime. This book renders Lumos in **light**; the same tokens carry the dark surface.

× COMPOSED PER SURFACE

Scheme

data-color-scheme

lumos meadow safetrekr chronica-classic + more

The palette layer — swap it and the whole product re-skins. Fifteen schemes ship today; **Lumos** is one of them.

RESOLVES TO

Lumos · Light

One rendered cell of the matrix — `--bg-canvas`, `--fg-primary`, `--accent`, the intent tier, all bound. Components stay scheme-agnostic.

THE CHAPTER

Scheme Gallery

01

Every shipped scheme by its real signature colors — one contract, many faces. Lumos sits among them.

15 schemes · light + dark

Light & Dark

02

The mode layer in full — the same Lumos surface rendered light and dark, token for token, side by side.

mode · next-themes

How Lumos Was Made

03

This book's own scheme, traced end to end — incumbent accent in, primitives synthesized, contract bound, baked.

palette.ts · baked from BXD

THE GENERATOR · PALETTE → SURFACE

1

Palette primitives

palette.ts

A per-scheme set of primitive ramps (Lumos ships ten, each ten steps) — brand, ink, neutral, and warm status ramps. The one hand-authored input.

2

Semantic + intent contract

_contract/*.ts

Every scheme binds the same alias contract — `--bg-canvas ... --accent` — plus the 30-token intent tier and the shadcn bridge the components read.

3

Generated tokens

build-themes.mjs

One run emits `tokens.generated.css` for both modes and `{scheme}.figma.json` — code and Figma variables from the same source, never re-typed.

4

Rendered surface

@tarva/ui

Components read the bound tokens through the shadcn vocabulary. Build against the names, not the colors — the surface re-skins with no component edit.

THEMES · SCHEME GALLERY

One system, many *faces*.

Every scheme is the same semantic token contract over a different palette — swap the palette, the whole product re-skins. The cards below show each shipped scheme by its real signature colors. Lumos, the theme this entire book demonstrates, is one of them.

Lumos Aesthetics & Wellness

YOU ARE HERE

Warm editorial — terracotta, parchment, obsidian. This deck.

Editor's Note · Be Vietnam Pro

#efede0

#1a191b

#a85522

#723a17

#67956f

#cb7f3f

CANVAS

INK

ACCENT

RUST

MOSS

AMBER

Meadow OS

Fresh, grassy — clay orange over warm oat, sage and marigold.

Fraunces · Inter

#f6f1e8

#1f1a15

#e07a4b

#4e7c58

#c58028

#527391

CANVAS

INK

CLAY

SAGE

MARIGOLD

SLATE

Echo Quill

Meadow's palette, a literary voice — PT Serif over PT Sans.

PT Serif · PT Sans

#f6f1e8

#1f1a15

#e07a4b

#4e7c58

#527391

#b26f6b

CANVAS

INK

CLAY

SAGE

SLATE

ROSE

SafeTrek

Field-ready — safety green and steel teal on cool grey.

Inter

#e7eced

#213842

#4ba467

#365462

#3b82f6

#f8e6ad

CANVAS

INK

GREEN

TEAL

BLUE

AMBER

Chronica Classic

Newsroom daylight — burnt ember and gold on cream.

Barlow

#f4f3ef

#1a1a2e

#f79b3f

#bd8f06

#3b82f6

#ef4444

CANVAS

INK

EMBER

GOLD

BLUE

RED

Chronica Nebula

Deep space — ember glow on midnight navy. Dark-native.

Barlow · dark-native

#0c0a26

#e8e6f0

#f79b3f

#4ade80

#f87171

#60a5fa

CANVAS

INK

EMBER

GREEN

ROSE

BLUE

Chronica Blacklight

UV halo — violet and emerald on near-black. Dark-native.

Barlow · dark-native

#0a0a14

#e8e8f0

#938bef

#34d399

#fb7185

#818cf8

CANVAS

INK

VIOLET

EMERALD

ROSE

INDIGO

On-Demand Painting

Trade craft — confident purple on clean white.

System UI

#ffffff

#0a0a0a

#7e44c0

#22c55e

#3b82f6

#f7d967

CANVAS

INK

PURPLE

GREEN

BLUE

AMBER

ODP Bold On-Demand

Turned up — electric violet, teal success, hot rose.

System UI

#fafaff

#0f0a1a

#8b5cf6

#14a99a

#e23368

#f8e6ad

CANVAS

INK

VIOLET

TEAL

ROSE

AMBER

ODP Studio On-Demand

Editorial — expressive gold meets structural blue on slate.

System UI

#f8faff

#0f172a

#eab308

#2563eb

#14a99a

#f8e6ad

CANVAS

INK

GOLD

BLUE

TEAL

SAND

JTN Reaper Wire Desk

Wire service — editorial amber on institutional steel-blue.

Source Serif 4 · Inter

#f4f5f7

#1a1e24

#c4882a

#3d5166

#b84040

#2d7a4f

CANVAS

INK

AMBER

STEEL

RED

GREEN

Orbital Observatory

The unlit room — one aqua light on deep cool dark. Dark-native.

Source Serif 4 · Inter · dark-native

#0a0f14

#e8edf2

#3db8a8

#1e2a38

#c45a3a

#96d9cf

CANVAS

INK

AQUA

GROUND

DANGER

GLOW

Lumos is *one* instance. Fifteen schemes ship today, light and dark — twelve shown here. Each binds the same contract — `--bg-canvas`, `--fg-primary`, `--accent`, the intent tier — to its own ramps. **Build against the tokens, not the colors**, and a product moves between any of these without touching a component.

THEMES · LIGHT & DARK

The same surface, *twice*.

Mode is one of the two layers. The clinic card below is rendered once and shown in both light and dark — identical markup, identical token *names*. Only the values behind `--bg-canvas`, `--fg-primary`, and the rest flip. Swap mode with `next-themes`; the scheme stays Lumos.

LIGHT MODE

data-theme · light

Lumos Clinic

TODAY

FRONT DESK · APPOINTMENTS

Maya Ellison

10:30 · Room 2

Hydrafacial · 60 min · Dr. Okafor

Confirmed

Intake due

Check in

Theo Vance

11:15 · Room 1

Consultation · 30 min

DARK MODE

data-theme · dark

Lumos Clinic

TODAY

FRONT DESK · APPOINTMENTS

Maya Ellison

10:30 · Room 2

Hydrafacial · 60 min · Dr. Okafor

Confirmed

Intake due

Check in

Theo Vance

11:15 · Room 1

Consultation · 30 min

HOW THE SEMANTIC TOKENS FLIP · ONE SCHEME, TWO MODES

TOKEN	LIGHT	DARK	ROLE
<code>--bg-canvas</code>	#efede0	#121112	Page background — parchment ↔ obsidian
<code>--bg-surface</code>	#ffffff	#1a191b	Card / panel fill
<code>--fg-primary</code>	#1a191b	#efede0	Primary ink — flips with the canvas
<code>--fg-secondary</code>	#74685e	#d0c6bd	Labels, supporting copy
<code>--border-subtle</code>	#e2dcd7	#4c4c4d	Hairlines, card edges
<code>--accent</code>	#a85522	#a85522	Terracotta — held constant across modes

Two layers *compose*.

Mode answers *light or dark*; scheme answers *which palette*. They are independent — Lumos-dark, Meadow-light, SafeTrek-dark all resolve the same contract. A component reads `--fg-primary` and never knows which of the two layers moved. **Author once against the names; the layers do the rest.**

Source · @tarva/ui · Themes/Thème Toggle

Tarva BXD · 2026-06-24



Brand to *token*.

The last step is generated — a build script emits the CSS, the Figma variables, the fonts. But a script only resolves decisions already made, and the deciding is the work: judgment earned across twenty-plus years of practice, weighed against the accumulated canon of thousands of works, and pressure-tested by more than two dozen specialist agents working in concert. The pipeline doesn't conjure Lumos — it remembers the thinking, and makes it reproducible.

