

Microsoft Fluent 2

ID	DS-005
Type	Design System
Category	C. Design Systems
Source	https://fluent2.design/
Licence	MIT (Fluent UI code and @fluentui/react-theme, © Microsoft Corp.); fonts and icons referenced in Fluent UI React fall under Microsoft's assets licence per the README (Segoe UI is not open); the Fluent UI System Icons repo itself is MIT
Platforms	Web, React, Windows, iOS, Android, Figma
Themes	Web light · Web dark · Teams themes · high contrast
Commercial use	Yes for code: Fluent UI React and @fluentui/react-theme are MIT. Fonts and icons referenced in Fluent UI React are governed by Microsoft's assets licence (aka.ms/fluentui-assets-license); Segoe UI is not open, while the microsoft/fluentui-system-icons repo is MIT
Attribution	Keep the MIT notice. Read the assets licence before bundling fonts or icons
Redistribution	Code yes (MIT); Segoe UI no; Fluent UI System Icons MIT (check the licence of the package you install)
Delivery	npm (@fluentui/react-components, @fluentui/web-components), Figma (Fluent 2 Web kit), GitHub
Added / updated	2026-10-25

Notes

Microsoft's cross-platform design system behind Microsoft 365. Fluent UI React v9 ships alias tokens (colorNeutralBackground1, colorBrandBackground...) for web light/dark, a 10–68 px type ramp in Segoe UI, a six-step shadow ramp (shadow2–shadow64), a 2–40 px radius scale and 50–500 ms motion. fluent2.design was unreachable from our box, so evidence comes from the official Storybook and npm package.

Our analysis OURS

Fluent 2 is the design language of Microsoft 365, Teams and Windows, and Fluent UI React v9 is its web implementation. Instead of Carbon's flat layers it uses soft elevation: a six-step shadow ramp (shadow2 to shadow64) that pairs an ambient 2–8 px blur with a key shadow, a radius scale whose everyday steps are 2, 4, 6 and 8 px, and a neutral palette that steps from colorNeutralBackground1 to 6. Colour is split into a brand ramp (Communication Blue, #0f6cbd as colorBrandBackground in web light) and neutral and status palettes, all exposed as alias tokens you consume through FluentProvider and the tokens object, so a theme is a plain object you can swap. The type ramp runs from caption2 (10/14 px) to display (68/92 px), with 14/20 px body1 as the default, in Segoe UI, which is not openly licensed: on the web, Fluent falls back to the system stack. Lessons: expose themes as data, keep one brand ramp and derive hover/pressed from it, use elevation sparingly and consistently, and plan a font fallback when the brand font cannot be shipped.

Components and states

- Button, CompoundButton, SplitButton, ToggleButton, MenuButton
- Accordion
- Avatar, AvatarGroup, Persona
- Badge, CounterBadge, PresenceBadge
- Card
- Checkbox, Radio, Switch
- Combobox, Dropdown, Select
- DataGrid, Table
- Dialog, Drawer

- Field, Input, Textarea, SpinButton
- Link
- Menu
- MessageBar, Toast
- Popover, Tooltip
- ProgressBar, Spinner, Skeleton
- Slider
- TabList
- Tag, TagPicker
- Toolbar
- Tree

Design tokens OFFICIAL

OFFICIAL values from @fluentui/react-theme 9.2.2 (MIT, © Microsoft), objects webLightTheme and webDarkTheme, which Fluent UI React v9 documents in its public Storybook (Theme > Colors). fluent2.design itself refused TLS connections from our box on 2026-10-25. RGB and HSL are converted by us from the official HEX (8-digit HEX = alpha; RGB/HSL shown for the opaque part).

Colour: Alias colour tokens (web light / web dark) OFFICIAL

Token · role	Light	Dark
colorNeutralBackground1 · Default surface	#FFFFFF rgb(255,255,255) hsl(0, 0%, 100%)	#292929 rgb(41,41,41) hsl(0, 0%, 16%)
colorNeutralBackground2 · Secondary surface	#FAFAFA rgb(250,250,250) hsl(0, 0%, 98%)	#1F1F1F rgb(31,31,31) hsl(0, 0%, 12%)
colorNeutralBackground3 · Tertiary surface	#F5F5F5 rgb(245,245,245) hsl(0, 0%, 96%)	#141414 rgb(20,20,20) hsl(0, 0%, 8%)
colorNeutralBackground1Hover · Surface hover	#F5F5F5 rgb(245,245,245) hsl(0, 0%, 96%)	#3D3D3D rgb(61,61,61) hsl(0, 0%, 24%)
colorNeutralBackground1Pressed · Surface pressed	#E0E0E0 rgb(224,224,224) hsl(0, 0%, 88%)	#1F1F1F rgb(31,31,31) hsl(0, 0%, 12%)
colorNeutralForeground1 · Primary text	#242424 rgb(36,36,36) hsl(0, 0%, 14%)	#FFFFFF rgb(255,255,255) hsl(0, 0%, 100%)
colorNeutralForeground2 · Secondary text	#424242 rgb(66,66,66) hsl(0, 0%, 26%)	#D6D6D6 rgb(214,214,214) hsl(0, 0%, 84%)
colorNeutralForeground3 · Tertiary text	#616161 rgb(97,97,97) hsl(0, 0%, 38%)	#ADADAD rgb(173,173,173) hsl(0, 0%, 68%)
colorNeutralForegroundDisabled · Disabled text	#BDBDBD rgb(189,189,189) hsl(0, 0%, 74%)	#5C5C5C rgb(92,92,92) hsl(0, 0%, 36%)
colorNeutralStroke1 · Default stroke	#D1D1D1 rgb(209,209,209) hsl(0, 0%, 82%)	#666666 rgb(102,102,102) hsl(0, 0%, 40%)
colorNeutralStroke2 · Subtle stroke	#E0E0E0 rgb(224,224,224)	#525252 rgb(82,82,82)

	hsl(0, 0%, 88%)	hsl(0, 0%, 32%)
colorNeutralStrokeAccessible · Accessible stroke (inputs)	 #616161 rgb(97,97,97) hsl(0, 0%, 38%)	 #ADADAD rgb(173,173,173) hsl(0, 0%, 68%)
colorBrandBackground · Primary (brand) button	 #0F6CBD rgb(15,108,189) hsl(208, 85%, 40%)	 #115EA3 rgb(17,94,163) hsl(208, 81%, 35%)
colorBrandBackgroundHover · Brand hover	 #115EA3 rgb(17,94,163) hsl(208, 81%, 35%)	 #0F6CBD rgb(15,108,189) hsl(208, 85%, 40%)
colorBrandBackgroundPressed · Brand pressed	 #0C3B5E rgb(12,59,94) hsl(206, 77%, 21%)	 #0C3B5E rgb(12,59,94) hsl(206, 77%, 21%)
colorBrandForeground1 · Brand text / selected	 #0F6CBD rgb(15,108,189) hsl(208, 85%, 40%)	 #479EF5 rgb(71,158,245) hsl(210, 90%, 62%)
colorBrandForegroundLink · Links	 #115EA3 rgb(17,94,163) hsl(208, 81%, 35%)	 #479EF5 rgb(71,158,245) hsl(210, 90%, 62%)
colorNeutralForegroundOnBrand · Text on brand	 #FFFFFF rgb(255,255,255) hsl(0, 0%, 100%)	 #FFFFFF rgb(255,255,255) hsl(0, 0%, 100%)
colorStrokeFocus2 · Focus ring (outer)	 #000000 rgb(0,0,0) hsl(0, 0%, 0%)	 #FFFFFF rgb(255,255,255) hsl(0, 0%, 100%)
colorPaletteRedForeground1 · Error text	 #BC2F32 rgb(188,47,50) hsl(359, 60%, 46%)	 #E37D80 rgb(227,125,128) hsl(358, 65%, 69%)
colorPaletteRedBackground3 · Error fill	 #D13438 rgb(209,52,56) hsl(358, 63%, 51%)	 #D13438 rgb(209,52,56) hsl(358, 63%, 51%)
colorPaletteGreenForeground1 · Success text	 #0E700E rgb(14,112,14) hsl(120, 78%, 25%)	 #54B054 rgb(84,176,84) hsl(120, 37%, 51%)
colorPaletteGreenBackground3 · Success fill	 #107C10 rgb(16,124,16) hsl(120, 77%, 27%)	 #107C10 rgb(16,124,16) hsl(120, 77%, 27%)
colorPaletteYellowBackground3 · Warning fill	 #FDE300 rgb(253,227,0) hsl(54, 100%, 50%)	 #FDE300 rgb(253,227,0) hsl(54, 100%, 50%)
colorStatusWarningForeground1 · Warning text	 #BC4B09 rgb(188,75,9) hsl(22, 91%, 39%)	 #FAA06B rgb(250,160,107) hsl(22, 93%, 70%)

Typography: Fluent type ramp (typographyStyles; Segoe UI, then -apple-system, BlinkMacSystemFont, Roboto, Helvetica Neue) OFFICIAL

Style	Weight	Size	Line height	Tracking
display	Semibold	68 px (Hero1000)	92 px	—
largeTitle	Semibold	40 px (Hero900)	52 px	—

title1	Semibold	32 px (Hero800)	40 px	—
title2	Semibold	28 px (Hero700)	36 px	—
title3	Semibold	24 px (Base600)	32 px	—
subtitle1	Semibold	20 px (Base500)	28 px	—
subtitle2	Semibold	16 px (Base400)	22 px	—
body1 (default)	Regular	14 px (Base300)	20 px	—
body1Strong	Semibold	14 px (Base300)	20 px	—
body2	Regular	16 px (Base400)	22 px	—
caption1	Regular	12 px (Base200)	16 px	—
caption2	Regular	10 px (Base100)	14 px	—

Spacing, grid, radii, shadows, motion and icons OFFICIAL

Spacing (horizontal = vertical)	None 0 · XXS 2 · XS 4 · SNudge 6 · S 8 · MNudge 10 · M 12 · L 16 · XL 20 · XXL 24 · XXXL 32 px
Border radius	None 0 · Small 2 · Medium 4 · Large 6 · XLarge 8 · 2XL 12 · 3XL 16 · 4XL 24 · 5XL 32 · 6XL 40 px · Circular
Stroke widths	Thin 1 · Thick 2 · Thicker 3 · Thickest 4 px
Shadow ramp (light)	shadow2: 0 0 2px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.14) · shadow4: 0 0 2px rgba(0,0,0,0.12), 0 2px 4px rgba(0,0,0,0.14) · shadow8: 0 0 2px rgba(0,0,0,0.12), 0 4px 8px rgba(0,0,0,0.14) · shadow16: 0 0 2px rgba(0,0,0,0.12), 0 8px 16px rgba(0,0,0,0.14) · shadow28: 0 0 8px rgba(0,0,0,0.12), 0 14px 28px rgba(0,0,0,0.14) · shadow64: 0 0 8px rgba(0,0,0,0.12), 0 32px 64px rgba(0,0,0,0.14)
Durations	UltraFast 50 · Faster 100 · Fast 150 · Normal 200 · Gentle 250 · Slow 300 · Slower 400 · UltraSlow 500 ms
Curves	EasyEase (0.33,0,0.67,1) · DecelerateMid (0,0,0,1) · AccelerateMid (1,0,1,1) · EasyEaseMax (0.8,0,0.2,1) · Linear
Font families	Base: Segoe UI stack · Monospace: Consolas, Courier New · Numeric: Bahnschrift, Segoe UI
Weights	Regular 400 · Medium 500 · Semibold 600 · Bold 700

Gaps and estimates ESTIMATED / OURS

Breakpoints and a column grid are not part of @fluentui/react-theme; Segoe UI is not openly licensed, so our specimens use Roboto, a fallback listed in Fluent's own font stack.

Best practices

- Wrap the app in FluentProvider and read colours, spacing and type from the tokens object; never hard-code HEX values.
- Derive a custom brand from a 16-step brand ramp so hover, pressed and selected states stay consistent.
- Use the shadow ramp sparingly: shadow2–4 for cards at rest, shadow16–28 for flyouts, shadow64 for dialogs.
- Keep body text at body1 (14/20 px) and use the type styles (typographyStyles) rather than setting sizes manually.
- Plan a font fallback: Segoe UI can't be bundled freely, so test the system stack on macOS and Linux.
- Use durationFast–durationNormal (150–200 ms) for state changes and keep slow durations for large surfaces.
- Respect colorStrokeFocus2 focus rings and high-contrast mode; don't remove outlines.

At a glance

What it is	Design system (Microsoft 365)
What you get	Alias tokens, React v9 components, web components, Figma kit

Licence	MIT code; fonts/icons under Microsoft assets licence
Attribution	Keep the MIT notice; check the assets licence before shipping Segoe UI or Fluent icons
Commercial	Yes for code (MIT); fonts separate
How it ships	npm packages / theme objects
Tip	Build a custom brand theme from a 16-step brand ramp rather than overriding single tokens.

How to use

```
npm install @fluentui/react-components
import { FluentProvider, webLightTheme, Button, tokens } from '@fluentui/react-components';
<FluentProvider theme={webLightTheme}>
  <Button appearance="primary">Save</Button>
</FluentProvider>
// in makeStyles: { color: tokens.colorNeutralForeground1 }
```

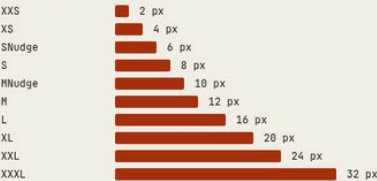
Figures and reference captures

TOKEN	ROLE	WEB LIGHT	WEB DARK
colorNeutralBackground1	Default surface	 #FFFFFF rgb(255, 255, 255) · hsl(0, 0%, 100%)	 #292929 rgb(41, 41, 41) · hsl(0, 0%, 16%)
colorNeutralBackground2	Secondary surface	 #FAFAFA rgb(250, 250, 250) · hsl(0, 0%, 98%)	 #1F1F1F rgb(31, 31, 31) · hsl(0, 0%, 12%)
colorNeutralBackground3	Tertiary surface	 #F5F5F5 rgb(245, 245, 245) · hsl(0, 0%, 96%)	 #141414 rgb(20, 20, 20) · hsl(0, 0%, 8%)
colorNeutralBackground1Hover	Surface hover	 #F5F5F5 rgb(245, 245, 245) · hsl(0, 0%, 96%)	 #303030 rgb(61, 61, 61) · hsl(0, 0%, 24%)
colorNeutralBackground1Pressed	Surface pressed	 #E0E0E0 rgb(224, 224, 224) · hsl(0, 0%, 88%)	 #1F1F1F rgb(31, 31, 31) · hsl(0, 0%, 12%)
colorNeutralForeground1	Primary text	 #242424 rgb(36, 36, 36) · hsl(0, 0%, 14%)	 #FFFFFF rgb(255, 255, 255) · hsl(0, 0%, 100%)
colorNeutralForeground2	Secondary text	 #424242 rgb(66, 66, 66) · hsl(0, 0%, 26%)	 #D6D6D6 rgb(214, 214, 214) · hsl(0, 0%, 84%)
colorNeutralForeground3	Tertiary text	 #616161 rgb(97, 97, 97) · hsl(0, 0%, 38%)	 #ADADAD rgb(173, 173, 173) · hsl(0, 0%, 68%)
colorNeutralForegroundDisabled	Disabled text	 #808080 rgb(189, 189, 189) · hsl(0, 0%, 74%)	 #5C5C5C rgb(92, 92, 92) · hsl(0, 0%, 36%)
colorNeutralStroke1	Default stroke	 #D1D1D1 rgb(209, 209, 209) · hsl(0, 0%, 82%)	 #666666 rgb(102, 102, 102) · hsl(0, 0%, 40%)
colorNeutralStroke2	Subtle stroke	 #E0E0E0 rgb(224, 224, 224) · hsl(0, 0%, 88%)	 #525252 rgb(82, 82, 82) · hsl(0, 0%, 32%)
colorNeutralStrokeAccessible	Accessible stroke (inputs)	 #616161 rgb(97, 97, 97) · hsl(0, 0%, 38%)	 #ADADAD rgb(173, 173, 173) · hsl(0, 0%, 68%)
colorBrandBackground	Primary (brand) button	 #0FACBD rgb(15, 189, 189) · hsl(208, 85%, 40%)	 #115EA3 rgb(17, 94, 163) · hsl(208, 81%, 35%)
colorBrandBackgroundHover	Brand hover	 #115EA3 rgb(17, 94, 163) · hsl(208, 81%, 35%)	 #0FACBD rgb(15, 189, 189) · hsl(208, 85%, 40%)
colorBrandBackgroundPressed	Brand pressed	 #0C3B5E rgb(12, 59, 94) · hsl(206, 77%, 21%)	 #0C3B5E rgb(12, 59, 94) · hsl(206, 77%, 21%)
colorBrandForeground1	Brand text / selected	 #0FACBD rgb(15, 189, 189) · hsl(208, 85%, 40%)	 #479EF5 rgb(71, 158, 245) · hsl(210, 90%, 62%)
colorBrandForegroundLink	Links	 #115EA3 rgb(17, 94, 163) · hsl(208, 81%, 35%)	 #479EF5 rgb(71, 158, 245) · hsl(210, 90%, 62%)
colorNeutralForegroundOnBrand	Text on brand	 #FFFFFF rgb(255, 255, 255) · hsl(0, 0%, 100%)	 #FFFFFF rgb(255, 255, 255) · hsl(0, 0%, 100%)
colorStrokeFocus2	Focus ring (outer)	 #000000 rgb(0, 0, 0) · hsl(0, 0%, 0%)	 #FFFFFF rgb(255, 255, 255) · hsl(0, 0%, 100%)
colorPaletteRedForeground1	Error text	 #BC2F32 rgb(188, 47, 50) · hsl(359, 60%, 46%)	 #E37080 rgb(227, 125, 128) · hsl(358, 65%, 69%)
colorPaletteRedBackground3	Error fill	 #D13438 rgb(209, 52, 56) · hsl(358, 63%, 51%)	 #D13438 rgb(209, 52, 56) · hsl(358, 63%, 51%)
colorPaletteGreenForeground1	Success text	 #0E700E rgb(14, 112, 14) · hsl(120, 78%, 25%)	 #548054 rgb(84, 176, 84) · hsl(120, 37%, 51%)
colorPaletteGreenBackground3	Success fill	 #107C10 rgb(16, 124, 16) · hsl(120, 77%, 27%)	 #107C10 rgb(16, 124, 16) · hsl(120, 77%, 27%)
colorPaletteYellowBackground3	Warning fill	 #FDE300 rgb(253, 227, 0) · hsl(54, 100%, 50%)	 #FDE300 rgb(253, 227, 0) · hsl(54, 100%, 50%)
colorStatusWarningForeground1	Warning text	 #BC4B09 rgb(188, 75, 9) · hsl(22, 91%, 39%)	 #FAA068 rgb(250, 160, 107) · hsl(22, 93%, 70%)

Figure 1. Fluent 2 alias colour tokens for webLightTheme and webDarkTheme, rendered by Design Library on 2026-10-25 (UTC+8) from @fluentui/react-theme 9.2.2 (MIT, © Microsoft Corp.). HEX OFFICIAL; RGB/HSL converted by us. Source: <https://fluent2.design/>. Our render of Fluent UI token values (MIT, © Microsoft Corp.); Roboto under Apache-2.0. Free to reuse with credit to Microsoft Fluent and Design Library.

STYLE	SPECIMEN	VALUES
display	Ship the quarterly report	Semibold 600 · 68 px (Hero1000) · LH 92 px
largeTitle	Ship the quarterly report	Semibold 600 · 40 px (Hero900) · LH 52 px
title1	Ship the quarterly report	Semibold 600 · 32 px (Hero800) · LH 40 px
title2	Ship the quarterly report	Semibold 600 · 28 px (Hero700) · LH 36 px
title3	Ship the quarterly report	Semibold 600 · 24 px (Base600) · LH 32 px
subtitle1	Ship the quarterly report	Semibold 600 · 20 px (Base500) · LH 28 px
subtitle2	Ship the quarterly report	Semibold 600 · 16 px (Base400) · LH 22 px
body1 (default)	Ship the quarterly report	Regular 400 · 14 px (Base300) · LH 20 px
body1Strong	Ship the quarterly report	Semibold 600 · 14 px (Base300) · LH 20 px
body2	Ship the quarterly report	Regular 400 · 16 px (Base400) · LH 22 px
caption1	Ship the quarterly report	Regular 400 · 12 px (Base200) · LH 16 px
caption2	Ship the quarterly report	Regular 400 · 10 px (Base100) · LH 14 px

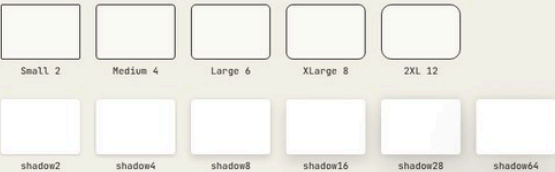
Spacing (horizontal = vertical)



Durations



Radii and shadow ramp

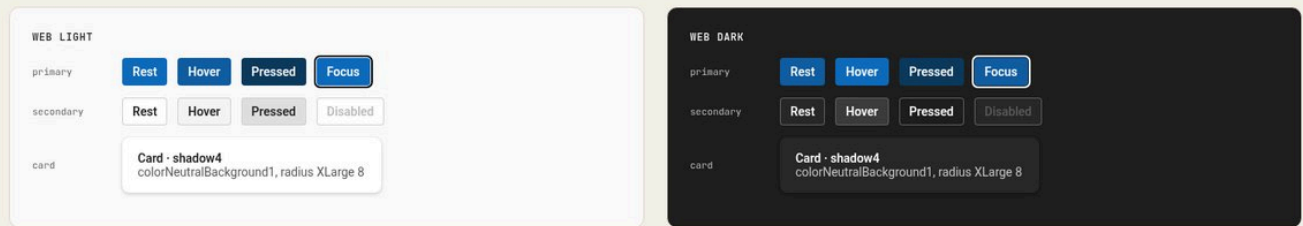


Rendered by Design Library on 2026-10-25 (UTC+8) from @fluentui/react-theme 9.2.2 (MIT, © Microsoft Corp.). Fluent specifies Segoe UI, which is not openly licensed; specimens use Roboto (Apache-2.0), a fallback listed in Fluent's own fontFamilyBase stack. Values OFFICIAL.

Figure 2. Fluent 2 type ramp, spacing, durations, radii and shadow ramp, rendered by Design Library from @fluentui/react-theme 9.2.2 (MIT, © Microsoft Corp.). Specimens use Roboto (Apache-2.0), a fallback in Fluent's own font stack, because Segoe UI is not openly licensed. Source: <https://fluent2.design/>. Our render of Fluent UI token values (MIT, © Microsoft Corp.); Roboto under Apache-2.0. Free to reuse with credit to Microsoft Fluent and Design Library.

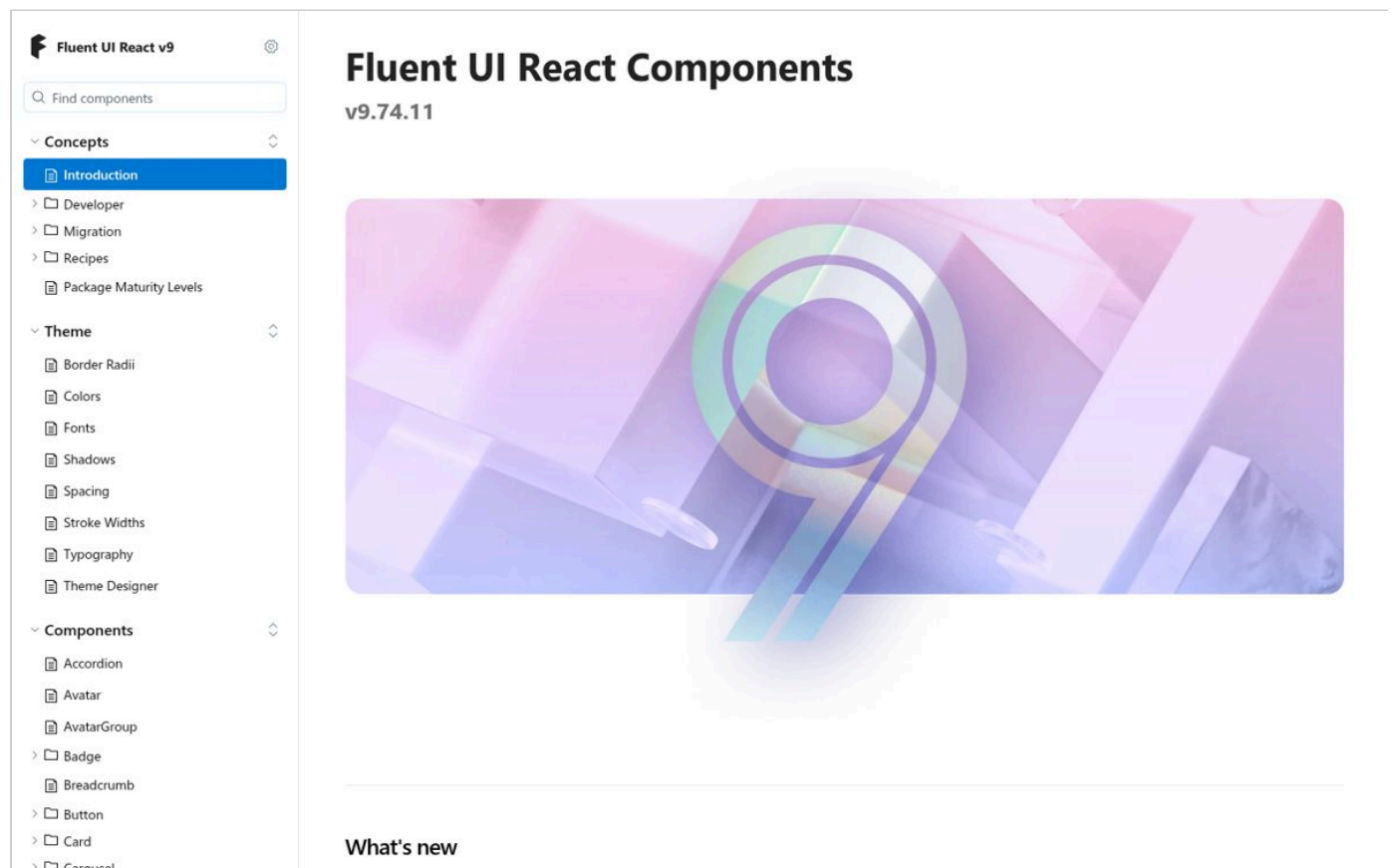
Microsoft Fluent 2 · button and card states

DS-005 · FIGURE 3 · COMPONENT STATES



Built by Design Library on 2026-10-25 (UTC+8) as a token illustration, not Fluent UI React itself: colours, 4 px radius and shadow4 from @fluentui/react-theme 9.2.2 (MIT, © Microsoft Corp.). Set in Roboto as a stand-in for Segoe UI.

Figure 3. Our token illustration of Fluent 2 primary/secondary button states and a shadow4 card in web light and dark, using @fluentui/react-theme 9.2.2 values (MIT, © Microsoft Corp.). Not Fluent UI React itself. Source: <https://fluent2.design/>. Our render of Fluent UI token values (MIT, © Microsoft Corp.); Roboto under Apache-2.0. Free to reuse with credit to Microsoft Fluent and Design Library.



Reference capture of <https://storybook.fluentui.dev/react/?path=/docs/concepts-introduction--docs>, taken 2026-10-25 10:13 (UTC+8) by this library with a headless browser at 1440×900 (logged out), reduced to 1200px. Fair-use reference for design analysis only; the page, its content and marks belong to Microsoft Corp. (Fluent UI). Source: <https://fluent2.design/>. Fair-use reference capture; content © Microsoft Corp. (Fluent UI). Entry license: MIT (Fluent UI code and @fluentui/react-theme, © Microsoft Corp.); fonts and icons referenced in Fluent UI React fall under Microsoft's assets licence per the README (Segoe UI is not open); the Fluent UI System Icons repo itself is MIT

Fluent UI React v9

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Migration

Recipes

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Theme Designer

Components

Accordion

Avatar

AvatarGroup

Badge

Breadcrumb

Button

Card

Carousel

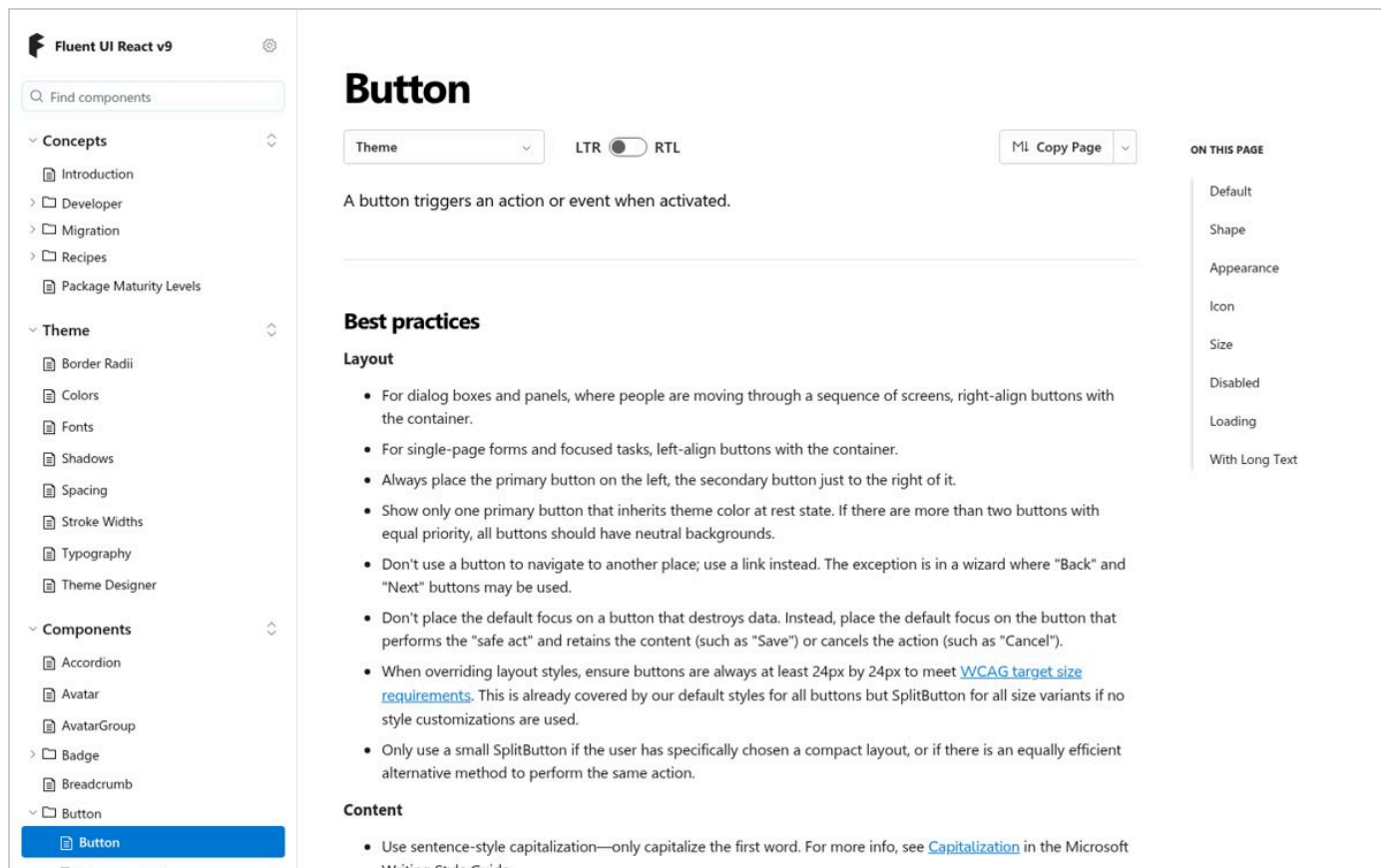
Colors

Filter

Search for tokens by name or color

Design Token	Light	Dark	Teams Light	Teams Dark
colorNeutralForeground1	#242424	#ffffff	#242424	#ffffff
colorNeutralForeground1Hover	#242424	#ffffff	#242424	#ffffff
colorNeutralForeground1Pressed	#242424	#ffffff	#242424	#ffffff
colorNeutralForeground1Selected	#242424	#ffffff	#242424	#ffffff
colorNeutralForeground2	#424242	#d6d6d6	#424242	#d6d6d6
colorNeutralForeground2Hover	#242424	#ffffff	#242424	#ffffff
colorNeutralForeground2Pressed	#242424	#ffffff	#242424	#ffffff
colorNeutralForeground2Selected	#242424	#ffffff	#242424	#ffffff
colorNeutralForeground2BrandHover	#0f6cbd	#479ef5	#5b5fc7	#7f85f5
colorNeutralForeground2BrandPressed	#115ea3	#2886de	#4f52b2	#7579eb
colorNeutralForeground2BrandSelected	#0f6cbd	#479ef5	#5b5fc7	#7f85f5
colorNeutralForeground3	#616161	#adadad	#616161	#adadad
colorNeutralForeground3Hover	#424242	#d6d6d6	#424242	#d6d6d6

Reference capture of <https://storybooks.fluentui.dev/react/?path=/docs/theme-colors--docs>, taken 2026-10-25 10:13 (UTC+8) by this library with a headless browser at 1440×900 (logged out), reduced to 1200px. Fair-use reference for design analysis only; the page, its content and marks belong to Microsoft Corp. (Fluent UI). Source: <https://fluent2.design/>. Fair-use reference capture; content © Microsoft Corp. (Fluent UI). Entry license: MIT (Fluent UI code and @fluentui/react-theme, © Microsoft Corp.); fonts and icons referenced in Fluent UI React fall under Microsoft's assets licence per the README (Segoe UI is not open); the Fluent UI System Icons repo itself is MIT



Reference capture of <https://storybooks.fluentui.dev/react/?path=/docs/components-button-button--docs>, taken 2026-10-25 10:13 (UTC+8) by this library with a headless browser at 1440×900 (logged out), reduced to 1200px. Fair-use reference for design analysis only; the page, its content and marks belong to Microsoft Corp. (Fluent UI). Source: <https://fluent2.design/>. Fair-use reference capture; content © Microsoft Corp. (Fluent UI). Entry license: MIT (Fluent UI code and @fluentui/react-theme, © Microsoft Corp.); fonts and icons referenced in Fluent UI React fall under Microsoft's assets licence per the README (Segoe UI is not open); the Fluent UI System Icons repo itself is MIT

Value labels: OFFICIAL = stated on the cited official page or read from the official npm package (installed 2026-10-25, UTC+8); ESTIMATED = measured by us; OURS = our interpretation. Reference captures are fair-use screenshots for design analysis, credited to their source. Licence summaries are not legal advice.

Microsoft Fluent 2: deep dive

Structured read of the official docs and the official npm token packages, checked 2026-10-25 (UTC+8). OFFICIAL = stated on the cited page or read from the installed package; ESTIMATED = computed or observed by Design Library (WCAG 2 contrast ratios, our captures); OURS = our interpretation. Earlier pages hold the full colour (HEX/RGB/HSL), type and token tables and captioned figures.

Our analysis

Fluent 2 is the design language of Microsoft 365, Teams and Windows, and Fluent UI React v9 is its web implementation. Instead of Carbon's flat layers it uses soft elevation: a six-step shadow ramp (shadow2 to shadow64) that pairs an ambient 2–8 px blur with a key shadow, a radius scale whose everyday steps are 2, 4, 6 and 8 px, and a neutral palette that steps from colorNeutralBackground1 to 6. Colour is split into a brand ramp (Communication Blue, #0f6cbd as colorBrandBackground in web light) and neutral and status palettes, all exposed as alias tokens you consume through FluentProvider and the tokens object, so a theme is a plain object you can swap. The type ramp runs from caption2 (10/14 px) to display (68/92 px), with 14/20 px body1 as the default, in Segoe UI, which is not openly licensed: on the web, Fluent falls back to the system stack. Lessons: expose themes as data, keep one brand ramp and derive hover/pressed from it, use elevation sparingly and consistently, and plan a font fallback when the brand font cannot be shipped.

Best practices

- Wrap the app in FluentProvider and read colours, spacing and type from the tokens object; never hard-code HEX values.
- Derive a custom brand from a 16-step brand ramp so hover, pressed and selected states stay consistent.
- Use the shadow ramp sparingly: shadow2–4 for cards at rest, shadow16–28 for flyouts, shadow64 for dialogs.
- Keep body text at body1 (14/20 px) and use the type styles (typographyStyles) rather than setting sizes manually.
- Plan a font fallback: Segoe UI can't be bundled freely, so test the system stack on macOS and Linux.
- Use durationFast–durationNormal (150–200 ms) for state changes and keep slow durations for large surfaces.
- Respect colorStrokeFocus2 focus rings and high-contrast mode; don't remove outlines.

Purpose and audience OFFICIAL

- “Fluent UI web represents a collection of utilities, React components, and web components for building web applications” (microsoft/fluentui README). Fluent 2 is the design language behind Microsoft 365, Teams and Windows.
- Licence: “MIT license ... Usage of the fonts and icons referenced in Fluent UI React is subject to the terms of the assets license agreement.”
- fluent2.design (design guidance site) could not be reached from our box on 2026-10-25 (TLS connection closed), so this entry cites the official Storybook, GitHub README and npm package instead.

Source: <https://github.com/microsoft/fluentui>

Theme and colour model OFFICIAL

- Themes are plain objects (webLightTheme, webDarkTheme, teamsLightTheme, teamsDarkTheme, teamsHighContrastTheme) passed to FluentProvider; components read alias tokens via the tokens object.
- Alias tokens are grouped as neutral (backgrounds 1–6, foregrounds 1–4, strokes), brand (from a 16-step brand ramp) and palette/status (red, green, yellow...).
- Brand in web light: colorBrandBackground #0f6cbd, hover #115ea3, pressed #0c3b5e; text on brand #ffffff.
- The Storybook Theme section documents Border Radii, Colors, Fonts, Shadows, Spacing, Stroke Widths and Typography and includes a Theme Designer for custom brand ramps.

Source: <https://storybooks.fluentui.dev/react/?path=/docs/theme-colors--docs>

Typography, elevation and motion OFFICIAL

- Type ramp from caption2 (10/14 px) to display (68/92 px); body1 14/20 px is the default; titles and subtitles are Semibold.
- Font stack: Segoe UI, Segoe UI Web (West European), -apple-system, BlinkMacSystemFont, Roboto, Helvetica Neue, sans-serif.
- Shadow ramp shadow2...shadow64: each pairs an ambient 2–8 px blur at 12% black with a key shadow at 14% black.
- Durations 50–500 ms; curves include easyEase (0.33,0,0.67,1) and decelerateMid (0,0,0,1).

Source: <https://www.npmjs.com/package/@fluentui/react-theme>

Components and states OFFICIAL

- Button appearances: secondary (default), primary, outline, subtle and transparent; sizes small, medium, large; shapes rounded, circular, square; icon-only and icon-position options; disabled and disabledFocusable states (Fluent UI React v9 Button props).
- Each token has rest, hover, pressed and selected variants (e.g. colorNeutralBackground1Hover #f5f5f5, Pressed #e0e0e0).
- Focus uses a two-colour ring (colorStrokeFocus1/2) so it stays visible on any background.

Source: <https://storybooks.fluentui.dev/react/?path=/docs/components-button-button--docs>

Contrast checks we ran ESTIMATED

- colorNeutralForeground1 on Background1: light 15.52:1, dark 14.55:1.
- colorNeutralForeground3 (tertiary text) on white: 6.19:1.
- White on colorBrandBackground #0f6cbd: 5.38:1.
- colorNeutralForegroundDisabled #bdbdbd on white: 1.88:1; disabled text is exempt from WCAG contrast, but don't use this colour for anything readable.

Source: <https://www.npmjs.com/package/@fluentui/react-theme>

Documentation site UX OURS

- The Storybook doubles as the docs: a left tree (Concepts, Theme, Components, Compat and Preview Components, Motion, Utilities) with live, editable stories and a props table under each.

- Live stories make state coverage easy to check; the trade-off is weaker narrative guidance than Carbon or Primer, which lives on fluent2.design.

Source: <https://storybooks.fluentui.dev/react/>

Lessons to take OURS

- Ship themes as data so products can swap brands without touching components.
- Generate hover/pressed/selected from the brand ramp instead of hand-picking them.
- If your brand font can't be shipped, design and test with the fallback that most users will actually see.

Source: <https://storybooks.fluentui.dev/react/>