

Design System Documentation

Astro + Figma MCP — Prompt Guide

A step-by-step collection of prompts to build a complete Design System docs site

Complete Setup

Before beginning the prompts below, watch the full walkthrough tutorial.



Click the thumbnail above to watch the tutorial

► **Watch Video:** https://www.youtube.com/watch?v=-0L_zMVwzho

Overview

This document contains all the prompts needed to build a complete Design System documentation site using Astro and Figma MCP. Each prompt is self-contained and designed to be copied and used sequentially.

Before starting, replace all instances of:

```
<<FIGMA_LINK>> → your actual Figma frame URL (required for Prompts 2, 5, 6, 7, and 8)
```

The prompts cover:

- Project setup and folder structure
- Layout and sidebar components
- Global CSS and styling
- Color, Typography, Spacing, Radius, and Elevation documentation pages
- Visual refinements and component upgrades

Prompt 1 — Project Setup & Structure

Sets up the Astro project structure, creates the two-column layout, sidebar, global CSS, and 6 placeholder MDX pages.

Step 1 — Clean Default Files

Remove any unnecessary starter content from the Astro project.

Step 2 — Create Folder Structure inside /src

- layouts/
- components/
- styles/
- pages/foundation/
- pages/components/

Step 3 — Create DocsLayout.astro

File: src/layouts/DocsLayout.astro

```
---
import Sidebar from "../components/Sidebar.astro";
import "../styles/global.css";
---

<html lang="en">
  <body>
    <div class="layout">
      <aside>
        <Sidebar />
      </aside>
      <main>
        <slot />
      </main>
    </div>
  </body>
</html>
```

Step 4 — Create Sidebar.astro

File: src/components/Sidebar.astro

```
<nav>
  <h2>Foundation</h2>
  <ul>
    <li><a href="/foundation/color">Color</a></li>
    <li><a href="/foundation/typography">Typography</a></li>
    <li><a href="/foundation/spacing">Spacing</a></li>
    <li><a href="/foundation/radius">Radius</a></li>
    <li><a href="/foundation/elevation">Elevation</a></li>
  </ul>
  <h2>Components</h2>
  <ul>
    <li><a href="/components/button">Button</a></li>
  </ul>
</nav>
```

Step 5 — Create Global CSS

File: src/styles/global.css

```
body { margin: 0; font-family: system-ui, sans-serif; background: #ffffff; color: #111; }
.layout { display: grid; grid-template-columns: 260px 1fr; min-height: 100vh; }
aside { border-right: 1px solid #eee; padding: 24px; }
main { padding: 40px; max-width: 900px; }
nav h2 { font-size: 14px; margin-top: 24px; text-transform: uppercase; letter-spacing: 0.05em; color: #666; }
nav ul { list-style: none; padding: 0; }
nav li { margin: 8px 0; }
nav a { text-decoration: none; color: #333; }
nav a:hover { color: black; }
```

Step 6 — Create 6 Placeholder MDX Pages

Create the following files with this frontmatter pattern:

```
---
layout: ../../layouts/DocsLayout.astro
title: [Page Title]
---

# [Page Title]

Documentation coming soon.
```

Pages to create:

- src/pages/foundation/color.mdx
- src/pages/foundation/typography.mdx
- src/pages/foundation/spacing.mdx
- src/pages/foundation/radius.mdx
- src/pages/foundation/elevation.mdx
- src/pages/components/button.mdx

Prompt 2 — Color Documentation (Figma MCP)

Note: Replace <<FIGMA_LINK>> with your actual Figma frame URL before using this prompt.

Fetches color tokens from Figma and generates the full color.mdx documentation page with swatches and tables.

Step 1 — Create ColorSwatch Component

File: src/components/ColorSwatch.astro

```
---
const { name, value } = Astro.props;
---

<div class="swatch">
  <div class="color-box" style={}></div>
  <div class="color-meta">
    <strong>{name}</strong>
    <span>{value}</span>
  </div>
</div>
```

Step 2 — Add Swatch Styles

Append to src/styles/global.css (do not remove existing styles):

```
.swatch { display: flex; align-items: center; gap: 16px; margin: 16px 0; }
.color-box { width: 64px; height: 64px; border-radius: 8px; border: 1px solid #eee; }
.color-meta { display: flex; flex-direction: column; font-size: 14px; }
.color-meta span { color: #666; font-family: monospace; }
```

Step 3 — Generate Color MDX via Figma MCP

Use the Figma MCP tool to fetch and read the following Figma file or frame:

```
<<FIGMA_LINK>>
```

Generate a complete MDX page and write it to: src/pages/foundation/color.mdx

Instructions:

- Extract all color tokens visible in the file/frame
- Preserve exact token names as defined in Figma

- Identify primitive tokens (raw hex/RGB values)
- Identify semantic tokens (e.g., primary, surface, text-muted, error)
- If scale groupings exist (50, 100, 200...), preserve that hierarchy
- Do NOT invent tokens not present in the Figma file
- If information is missing, write "Not defined in Figma"
- For every color token, render a <ColorSwatch /> component

```

---
layout: ../../layouts/DocsLayout.astro
title: Color
---

import ColorSwatch from "../../components/ColorSwatch.astro"

# Color
## Overview
## Design Principles
## Token Structure
### Primitive Tokens → <ColorSwatch /> + | Token | Value | Description |
### Semantic Tokens → <ColorSwatch /> + | Token | Maps To | Usage |
## Usage Guidelines
## Accessibility Considerations
## Do / ## Don't

```

Prompt 3 — Color Page Visual Refinements

Upgrades the ColorSwatch component, improves grid layout, and wraps swatches in grid containers.

Step 1 — Upgrade ColorSwatch Component

Replace content of src/components/ColorSwatch.astro with:

```

---
const { name, value } = Astro.props;
---

<div class="swatch-card">
  <div class="color-box" style={}></div>
  <div class="color-info">

```

```
<div class="color-name">{name}</div>
  <div class="color-value">{value}</div>
</div>
</div>
```

Step 2 — Upgrade Swatch Styles

Append to `src/styles/global.css`:

```
main h1 { font-size: 32px; margin-bottom: 8px; }
main h2 { margin-top: 48px; font-size: 22px; }
main h3, main h4 { margin-top: 32px; }
.swatch-grid { display: grid; grid-template-columns: repeat(auto-fill,
minmax(140px, 1fr)); gap: 16px; margin: 24px 0 32px; }
.swatch-card { border: 1px solid #eee; border-radius: 12px; overflow: hidden;
background: #fff; transition: transform 0.15s ease, box-shadow 0.15s ease; }
.swatch-card:hover { transform: translateY(-2px); box-shadow: 0 4px 12px
rgba(0,0,0,0.05); }
.color-box { height: 72px; width: 100%; }
.color-info { padding: 12px; display: flex; flex-direction: column; gap: 4px; }
.color-name { font-size: 13px; font-weight: 600; }
.color-value { font-size: 12px; font-family: monospace; color: #666; }
```

Step 3 — Wrap Swatches in Grid Containers

Open `src/pages/foundation/color.mdx`. For each palette section, wrap the `<ColorSwatch />` components inside:

```
<div class="swatch-grid">
  ... existing ColorSwatch components ...
</div>
```

Do NOT modify the token tables below each palette.

Prompt 4 — Token Table Styling

Improves visual quality of token tables with better styling and palette section spacing.

Step 1 — Table Styles

Append to src/styles/global.css:

```
main table { width: 100%; border-collapse: collapse; margin: 24px 0 48px;
font-size: 14px; }
main thead { background: #fafafa; }
main th { text-align: left; padding: 12px 14px; font-weight: 600; font-size: 13px;
border-bottom: 1px solid #eee; }
main td { padding: 12px 14px; border-bottom: 1px solid #f1f1f1; }
main tbody tr:hover { background: #fcfcfc; }
main td:first-child, main td:nth-child(2) { font-family: monospace; font-size:
13px; }
```

Step 2 — Palette Section Spacing

Append to global.css:

```
.palette-section { margin-bottom: 64px; }
.palette-section h4 { margin-bottom: 16px; }
```

Step 3 — Wrap Each Palette Block

For each palette in color.mdx, wrap entire section inside:

```
<div class="palette-section">
  ... existing content ...
</div>
```

Do NOT remove any swatches, tables, or change token content.

Prompt 5 — Typography Documentation (Figma MCP)

Note: Replace <<FIGMA_LINK>> with your actual Figma frame URL before using this prompt.

Fetches typography tokens from Figma and generates the full typography.mdx documentation page.

```
<<FIGMA_LINK>>
```

Output file: src/pages/foundation/typography.mdx

Instructions:

- Extract all typography tokens from the Figma frame
- Preserve exact token names
- Identify font family, font size, line height, weight, letter spacing
- Preserve scale structure (display, heading, body, caption)
- Do NOT invent tokens not present in the Figma file
- If something is missing, write "Not defined in Figma"

```
# Typography
## Overview
## Design Principles
## Type Scale Preview → inline-style previews per token
## Token Table → | Token | Font Family | Size | Weight | Line Height | Letter Spacing |
## Usage Guidelines
## Accessibility Considerations
## Do / ## Don't
```

Prompt 6 — Spacing Documentation (Figma MCP)

Note: Replace <<FIGMA_LINK>> with your actual Figma frame URL before using this prompt.

Fetches spacing tokens from Figma and generates the full spacing.mdx documentation page.

```
<<FIGMA_LINK>>
```

Output file: src/pages/foundation/spacing.mdx

Instructions:

- Extract all spacing tokens — preserve names and numeric values (px, rem)
- Maintain scale order (0, 4, 8, 12, 16, 24, 32...)
- Do NOT invent tokens not present in the Figma file
- If information is missing, write "Not defined in Figma"

```
# Spacing
```

```
## Overview
## Design Principles
## Spacing Scale Preview → visual bar per token, smallest to largest
## Token Table → | Token | Value | Usage |
## Layout Usage Examples
## Accessibility Considerations
## Do / ## Don't
```

Prompt 7 — Radius Documentation (Figma MCP)

Note: Replace <<FIGMA_LINK>> with your actual Figma frame URL before using this prompt.

Fetches border radius tokens from Figma and generates the full radius.mdx documentation page.

```
<<FIGMA_LINK>>
```

Output file: src/pages/foundation/radius.mdx

Instructions:

- Extract all radius tokens — preserve names and numeric values
- Maintain scale order (0, 2, 4, 8, 12, 16, 24, full)
- Do NOT invent tokens not present in the Figma file
- If information is missing, write "Not defined in Figma"

```
# Radius
## Overview
## Design Principles
## Radius Scale Preview → rounded box preview per token
## Token Table → | Token | Value | Usage |
## Usage Guidelines (Buttons, Cards, Modals, Inputs, Avatars)
## Accessibility Considerations
## Do / ## Don't
```

Prompt 8 — Elevation Documentation (Figma MCP)

Note: Replace <<FIGMA_LINK>> with your actual Figma frame URL before using this prompt.

Fetches elevation/shadow tokens from Figma and generates the full elevation.mdx documentation page.

```
<<FIGMA_LINK>>
```

Output file: src/pages/foundation/elevation.mdx

Instructions:

- Extract all elevation/shadow tokens — preserve exact box-shadow values
- Maintain hierarchy order (0 → 1 → 2 → 3 → modal)
- Do NOT invent tokens not present in the Figma file
- If information is missing, write "Not defined in Figma"

```
# Elevation
## Overview
## Design Principles
## Elevation Scale Preview → shadow card preview per token
## Token Table → | Token | Box Shadow | Usage |
## Usage Guidelines (Cards, Dropdowns, Modals, Tooltips, Hover)
## Accessibility Considerations
## Do / ## Don't
```

Quick Reference

Summary of all prompts and their purpose:

Prompt	Title	Output
1	Project Setup	Folder structure, layout, sidebar, global CSS, 6 placeholder pages
2	Color (Figma)	ColorSwatch component + color.mdx with all color tokens
3	Color Refinements	Upgraded swatch card + grid layout
4	Table Styling	Improved token tables + palette section spacing
5	Typography (Figma)	typography.mdx with type scale preview + token table
6	Spacing (Figma)	spacing.mdx with bar previews + token table

7	Radius (Figma)	radius.mdx with rounded box previews + token table
8	Elevation (Figma)	elevation.mdx with shadow card previews + token table