

Design Token Reference

Responsive Patterns & Design System Integration

About This Document

This reference accompanies the article: Responsive Patterns & Design System Integration

Read the full article at: <https://svgeneration.com/docs/responsive-patterns-design-systems>

Article Summary

How to build a scalable pattern library with design tokens, dark mode support, and fluid responsive behaviour.

Fluid Pattern Scaling

Static background-size pixel values feel too small on large screens and too large on small screens. Use viewport units: `background-size: 5vw 5vw` scales the pattern tile proportionally with the viewport. Alternatively, use CSS clamp: `background-size: clamp(20px, 3vw, 60px)` to set a minimum and maximum tile size.

Design Tokens for Patterns

Define pattern colours as CSS custom properties (design tokens) at the root level. The SVG embedded in `background-image` cannot read CSS variables, but you can dynamically build the data URI in JavaScript using template literals that interpolate your token values. This connects your pattern colours to your design system's colour scale.

Code example:

```
:root { --color-pattern-fg: #6366f1; --color-pattern-bg: #f5f5ff; } /* Use JS to build the data URI with these values */const fg = getComputedStyle(document.documentElement).getPropertyValue('--color-pattern-fg').trim();
```

Free Resources

Visit [SVGeneration.com](https://svgeneration.com) for 600 free SVG background patterns. No attribution required.

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