

Framework Integration Cheat Sheet

SVG Patterns in React, Vue & Angular

About This Document

This reference accompanies the article: SVG Patterns in React, Vue & Angular

Read the full article at: <https://svgeneration.com/docs/svg-in-react-vue>

Article Summary

Component patterns, hooks, directives, and utilities for integrating SVG backgrounds into your favourite framework.

TypeScript Pattern Types

Define a TypeScript interface for pattern configurations: `PatternConfig { type: PatternType; fg: CSSColor; bg: CSSColor; size: number; opacity?: number }`. This enables autocomplete in editors and catches invalid colour formats at compile time. Combine with branded types (`type CSSColor = string & { _brand: 'color' }`) for even stricter validation.

Testing Pattern Components

Unit test your pattern components by checking the computed background-image style value.

For visual regression testing, use Chromatic or Percy they snapshot the rendered pattern and alert you to any unexpected visual changes. Pattern components are excellent candidates for visual regression tests because their output should be 100% deterministic.

Free Resources

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

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