

Vue SVG Component Guide

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.

Angular: PatternDirective

Create an Angular directive [svgPattern] that accepts a pattern config input and sets the host element's background-image style. Use the DomSanitizer service to mark the data URI as safe. Angular's template sanitizer strips data URIs by default.

CSS-in-JS Integration (Styled Components / Emotion)

With CSS-in-JS, pattern styles live next to component code. Create a patternBackground style factory function that accepts theme tokens and returns a CSS object. This integrates perfectly with styled-system theme shapes and keeps pattern logic out of global stylesheets.

Server-Side Rendering Considerations

Data URIs are static strings they render identically on server and client, making SVG patterns SSR-safe. There's no hydration mismatch risk. For patterns that depend on dynamic values (user preferences, API data), generate the data URI on the server and inject it into the initial HTML as a CSS custom property.

Free Resources

Visit SVGeneration.com for 600 free SVG background patterns. No attribution required.

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