

Step-by-Step Pattern Tutorial

Creating Custom SVG Patterns from Scratch

About This Document

This reference accompanies the article: Creating Custom SVG Patterns from Scratch

Read the full article at: <https://svgeneration.com/docs/creating-custom-patterns>

Article Summary

A step-by-step workflow for designing, refining, and exporting a production-ready SVG background pattern from zero.

Step 6: Base64 Encode & Test

In browser DevTools console: `btoa(decodeURIComponent(encodeURIComponent(svgString)))` handles Unicode characters correctly. Note: simple ASCII SVG content can use plain `btoa()`. Test the resulting data URI across Chrome, Firefox, and Safari. Also test on a real iPhone and Android device mobile browsers occasionally render SVG patterns differently.

Step 7: Build Colour Variants

Once the base pattern geometry is solid, create colour variants. Use template literals (JavaScript) or string replacement (PHP) to swap the colour values. Build a systematic set: light mode with your brand's primary colour, a dark mode variant, a high-contrast variant, and a monochrome variant. Archive all variants with their use-case documentation.

Free Resources

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

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