

Performance Animation Checklist

Animating SVG Backgrounds with CSS & SMIL

About This Document

This reference accompanies the article: Animating SVG Backgrounds with CSS & SMIL

Read the full article at: <https://svgeneration.com/docs/animating-svg-backgrounds>

Article Summary

From subtle breathing patterns to dramatic morphing tiles learn every technique for animating SVG background patterns.

Code example:

Respecting prefers-reduced-motion

Always wrap animations in a `@media (prefers-reduced-motion: no-preference)` query. Users who have enabled reduced motion in their OS settings including many people with vestibular disorders should never see auto-playing animations. Static versions of all animated patterns must work perfectly.

JavaScript-Driven Animations (WAAPi)

The Web Animations API (`element.animate()`) gives JavaScript control with CSS-level compositor performance. Use it to sync pattern animations with scroll position, cursor position, or data values. Combine with `requestAnimationFrame` for smooth 60fps interactions update a CSS custom property that controls the pattern's scale or position.

Free Resources

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

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