

11 JavaScript Animation Libraries For 2019

Some of the finest JS-CSS animation libraries around.



Jonathan Saring [Follow](#)

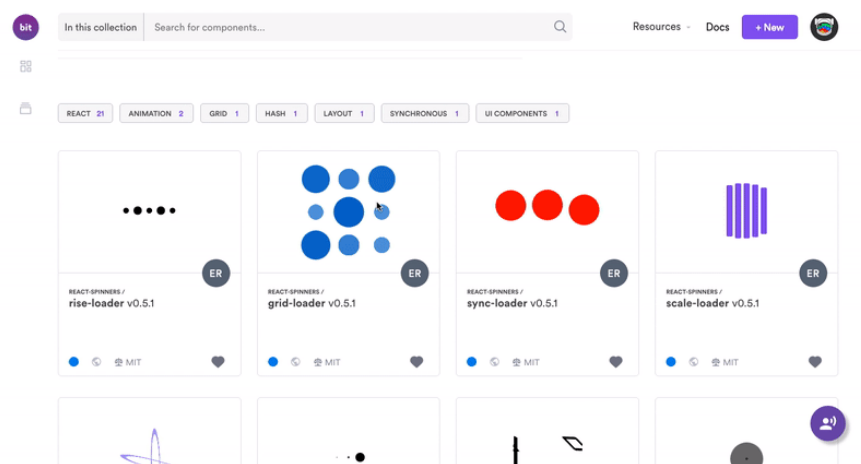
Jun 7, 2018 · 6 min read

While browsing the web looking for a neat Javascript animation library, I've found that many of the "recommended" ones were not maintained for a while.

After some research, I've gathered 11 of the finest libraries around to use in your app. I've also added a few more, mostly unmaintained, useful libraries.

Tip: Use **Bit** to share your components, use them to build multiple projects and sync changes with your team. Don't write them twice, reuse them.

Here are some React spinners:



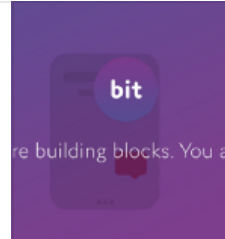
Every component can be discovered, tested in a live playground, and installed in your different projects. Your team can suggest updates and stay in sync.



Component Discovery and Collaboration · Bit

Bit is where developers share components and collaborate to build amazing software together....

bit.dev



Using Pure CSS

Before diving into these libraries, let's not forget about using pure CSS. Why? because it's standard, it can improve performance (GPU), provide backward and forward compatibility, and it just might be the most effective way to create animations. Here are 10 examples of neat pure CSS animations.

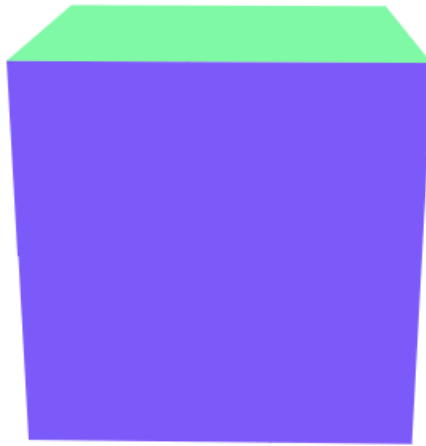
Pure CSS Saturn Hula Hooping

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Pure CSS Saturn Hula Hooping

1. Three.js



At over 43K stars, this popular library is a great way to create 3D animations on the browser, using WebGL in an intuitive way. Providing `<canvas>`, `<svg>`, CSS3D and WebGL renderers, this library lets us create rich interactive experiences across devices and browsers. First introduced at April 2010, the library is still being developed by nearly 1,000 contributors.

mrdoob/three.js

three.js — JavaScript 3D library.

github.com



2. Anime.js



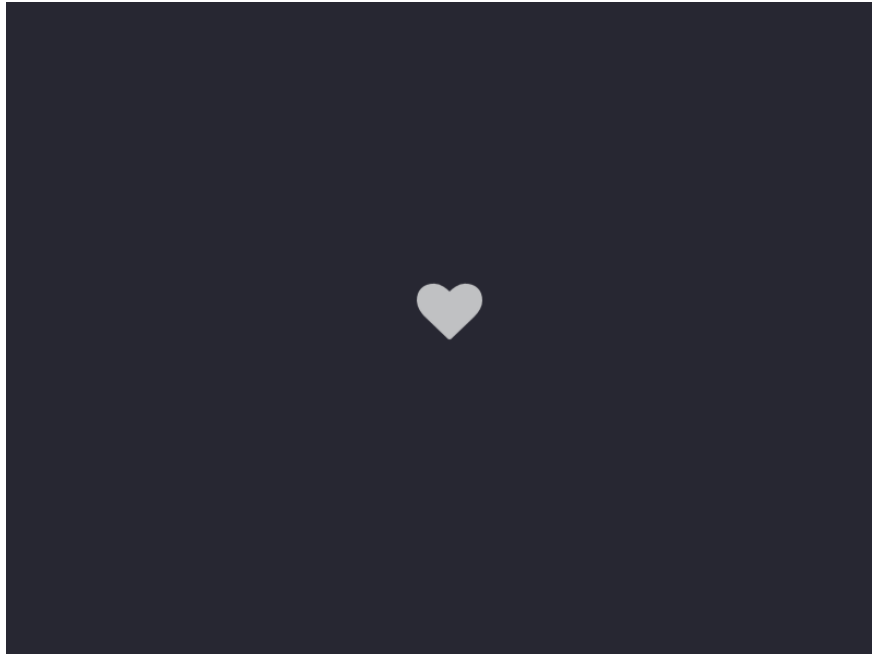
At over 20K stars, Anime is a JavaScript animation library that works with CSS Properties, individual CSS transforms, SVG or any DOM attributes, and JavaScript Objects. This library lets you chain multiple animation properties, synchronize multiple instances together, create timelines and more.

juliangarnier/anime

anime — JavaScript Animation Engine
github.com



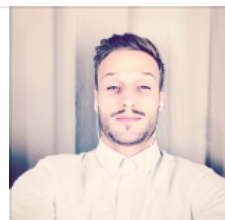
3. Mo.js



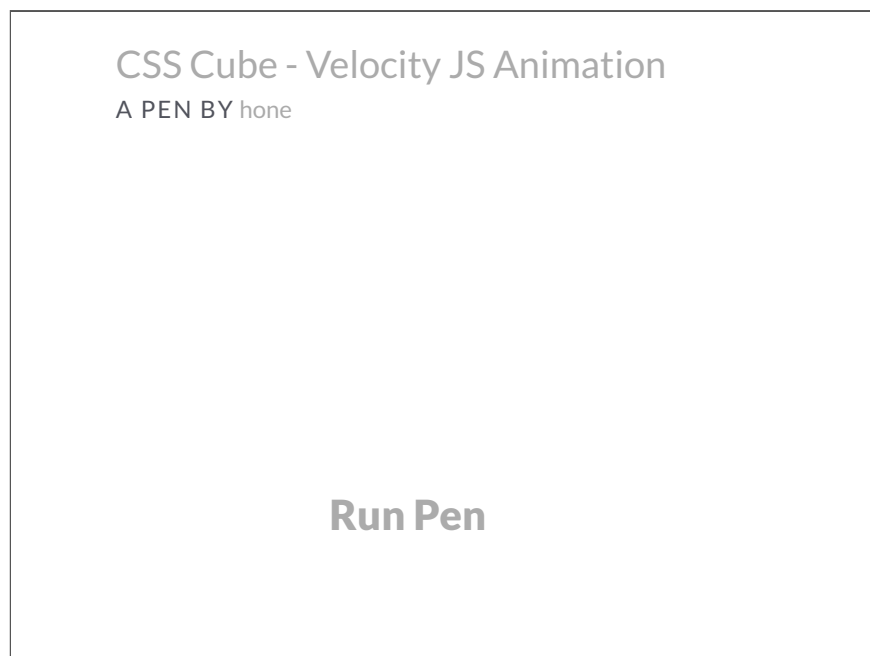
At 14K stars, this library is a motion graphics toolbelt for the web, with simple declarative APIs, cross-device compatibility and over 1500 unit-tests. You can move things around the DOME or SVG DOME or create unique mo.js objects. Although documentation is somewhat scarce, examples are plentiful and here's an [introduction](#) at CSS tricks.

legomushroom/mojs

mojs — motion graphics toolbelt for the web
github.com



4. Velocity

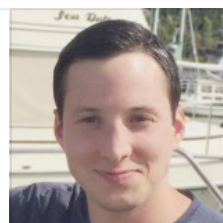


At 15K stars, Velocity is a fast Javascript animation engine with the same API as jQuery's `$.animate()`. It features color animation, transforms, loops, easings, SVG support, and scrolling. Here's a [breakdown](#) of Velocity's high performance engine, and here's [an intro](#) to SVG animation using the library.

julianshapiro/velocity

velocity — Accelerated JavaScript animation.

github.com



5. Popmotion



At 14K stars, this functional and reactive animation library weighs only 11kb. It allows developers to create animations and interactions from actions, which are streams of values that can be started and stopped, and created with CSS, SVG, React, three.js and any API that accepts a number as an input.

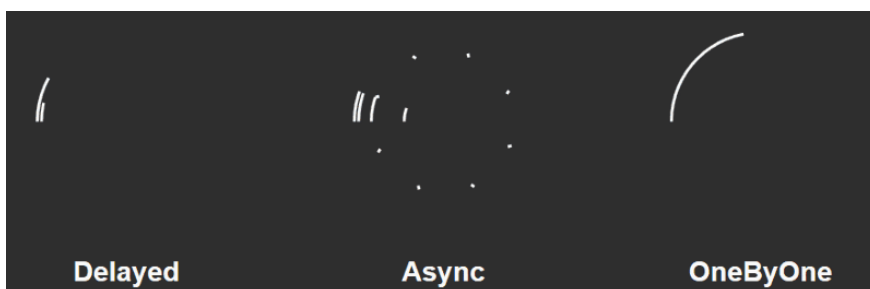
Popmotion/popmotion

popmotion — A functional, reactive animation library.

github.com



6. Vivus



At over 10K stars, Vivus is a zero-dependencies JavaScript class that lets you animate SVGs, giving them the appearance of being drawn. You can use one of many available animations, or create custom script to draw you SVG. Check out [Vivus-instant](#) to get a live example, hands-on.



maxwellito/vivus

vivus—JavaScript library to make drawing animation on SVG

[github.com](#)



7. GreenSock JS



GSAP is a JavaScript library for creating high-performance, zero dependencies, cross-browser animations which claims to be used in over 4 million websites. GSAP is flexible and works with React, Vue, Angular and vanilla JS. [GSDevtools](#) can also help debug animations built using GSAP.

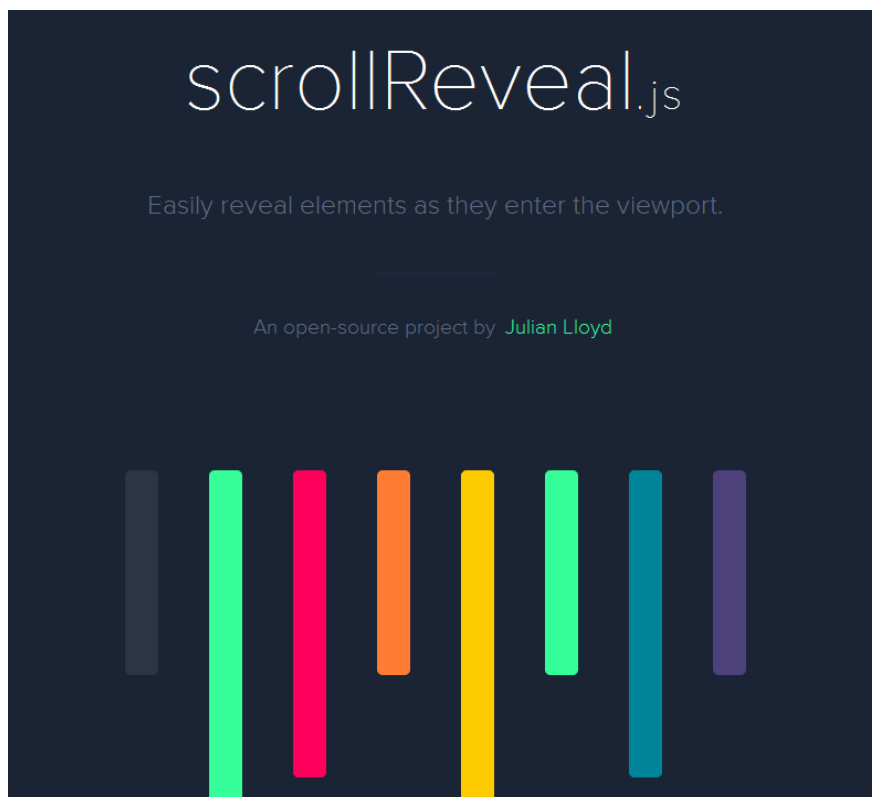
greensock/GreenSock-JS

GreenSock-JS—GreenSock's GSAP JavaScript animation library (including Draggable).

[github.com](#)



8. Scroll Reveal



With 15K stars and zero dependencies, this library provides easy scroll animations for web and mobile browsers, to reveal things on-scroll in an animated way. It supports multiple neat types of effects, and even lets you define animations using natural language. Here's a short [SitePoint tutorial](#).

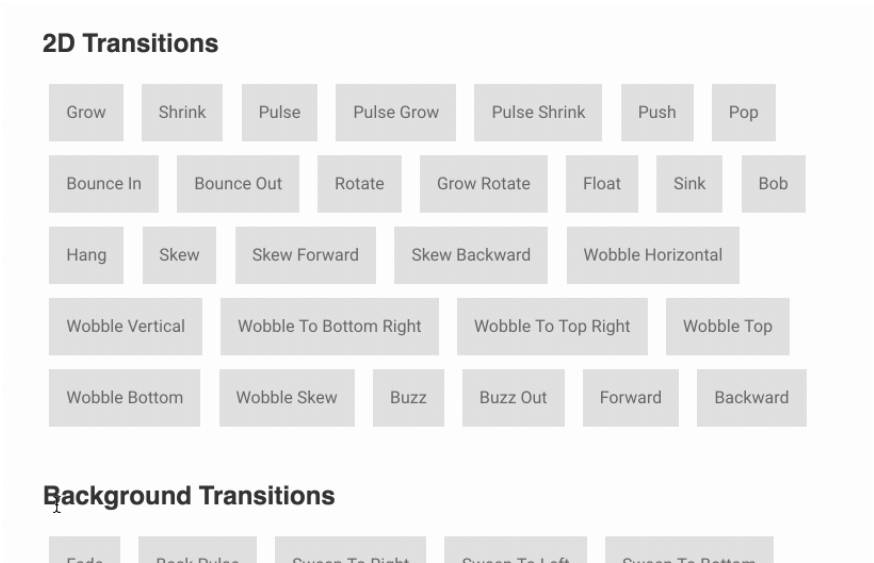
jlmakes/scrollreveal

scrollreveal — Easy scroll animations for web and mobile browsers.

github.com




9. Hover (CSS)



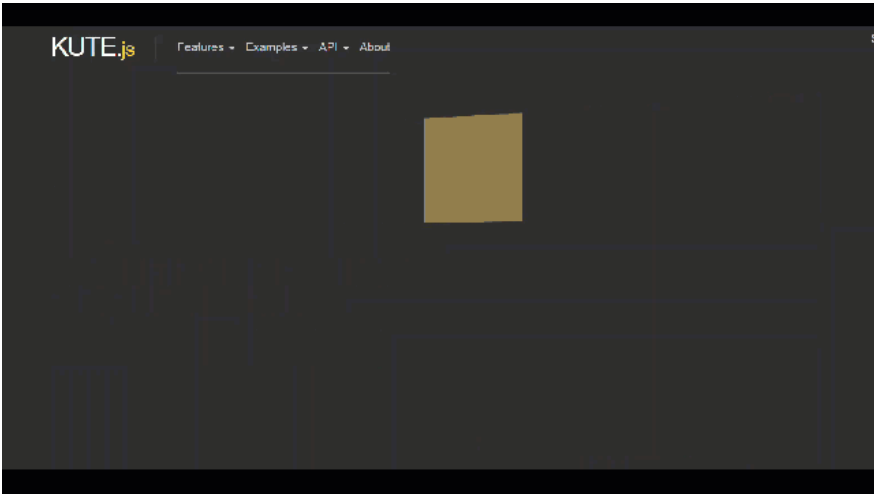
Well, this is a CSS library. At 20K stars, Hover provides a collection of CSS3 powered hover effects to be applied to links, buttons, logos, SVG, featured images and more, available in CSS, Sass, and LESS. You can copy and paste the effect you'd like to use in your own stylesheet or reference the stylesheet.

IanLunn/Hover

Hover—A collection of CSS3 powered hover effects to be applied to links, buttons, logos, SVG...
github.com



10. Kute.js



A fully fledged native JavaScript animation engine with essential features for cross-browser animations. The focus is code quality, flexibility, performance and size (core engine is 17k min and 5.5k gzipped)- here's [a demo](#). The library is also extendable so you can add your own features.

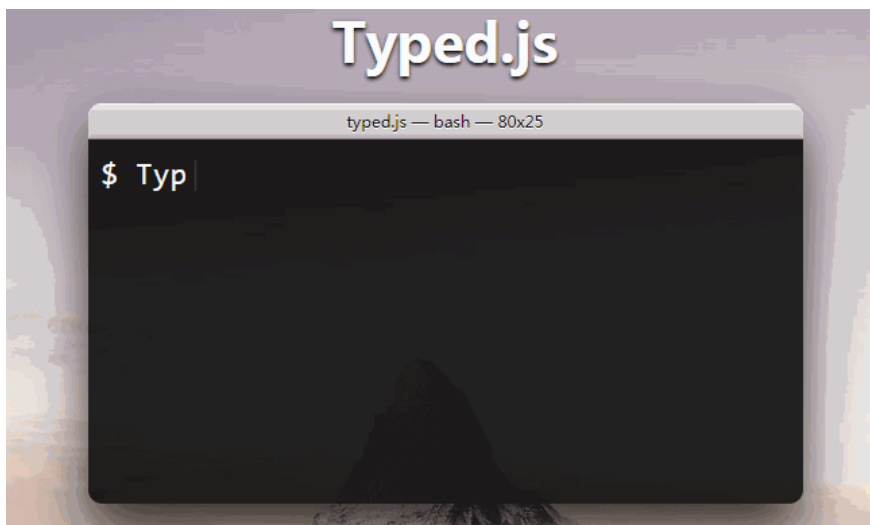
thednp/kute.js

kute.js— KUTE.js is a native Javascript animation engine featuring great code quality, badass...

github.com



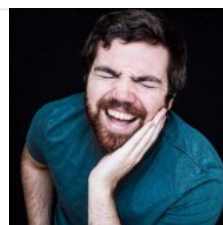
11. Typed.js



This 6K stars library basically lets you create typing animations for strings at selected speeds. You can also place an HTML `div` on the page and read from it to allow access for search engines and users with JavaScript disabled. Used by Slack and others, this library is both popular and surprisingly useful.

mattboldt/typed.js

typed.js— A JavaScript Typing Animation Library
github.com



- Also check out: iTyped

Late addition: Lottie by Airbnb



Lottie is a mobile library for Web, and iOS that parses Adobe After Effects animations exported as json with Bodysmovin and renders them natively.

airbnb/lottie-web

lottie-web - Render After Effects animations natively on Web, Android and iOS, and React...
github.com



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Honorable mentions

Note that these 8 libraries are mostly unmaintained, so use with care.

- Particles

VincentGarreau/particles.js

particles.js - A lightweight JavaScript library for creating particles
github.com



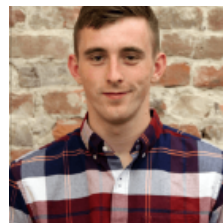
- Loaders



ConnorAtherton/loaders.css

loaders.css — Delightful, performance-focused pure css loading animations.

[github.com](#)



- Parallax JS

wagerfield/parallax

parallax - Parallax Engine that reacts to the orientation of a smart device

[github.com](#)



- Bounce.js

tictail/bounce.js

bounce.js - Create beautiful CSS3 powered animations in no time.

[github.com](#)



- CTA JS

chinchang/cta.js

cta.js - Animate your 'action-to-effect' paths

[github.com](#)



- Tooltips JS


ytiurin/html5tooltipsjs

html5tooltipsjs - Tooltips with smooth 3D animation


[github.com](#)



- Pace JS

<p>HubSpot/pace</p> <p>pace - Automatically add a progress bar to your site. #hubspot-open-source</p> <p>github.com</p>	
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- Anijs

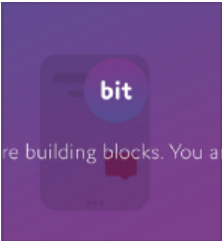
<p>anijs/anijs</p> <p>anijs - A Library to Raise your Web Design without Coding.</p> <p>github.com</p>	
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- p5js

<p>p5.js home</p> <p>p5.js a JS client-side library for creating graphic and interactive experiences, based on the core...</p> <p>p5js.org</p>	
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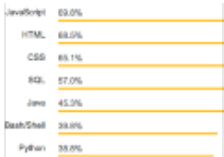
Learn more

<p>Component Discovery and Collaboration · Bit</p> <p>Bit is where developers share components and collaborate to build amazing software together....</p> <p>bit.dev</p>	
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<p>11 Javascript Utility Libraries You Should Know In 2018</p>	
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11 Useful Javascript utility libraries to speed your development.

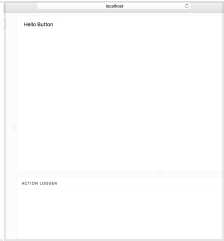
blog.bitsrc.io



5 Tools For Faster Development In React

5 tools to speed the development of your React application, focusing on components.

blog.bitsrc.io



11 React UI Component Libraries You Should Know In 2018

11 React component libraries with great components for building your next app's UI...

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