



# Web Animations API

The **Web Animations API** allows for synchronizing and timing changes to the presentation of a Web page, i.e. animation of DOM elements. It does so by combining two models: the Timing Model and the Animation Model.

## Concepts and usage

The Web Animations API provides a common language for browsers and developers to describe animations on DOM elements. To get more information on the concepts behind the API and how to use it, read [Using the Web Animations API](#).

## Web Animations interfaces

### [Animation](#)

Provides playback controls and a timeline for an animation node or source. Can take an object created with the [KeyframeEffect\(\)](#) constructor.

### [KeyframeEffect](#)

Describes sets of animatable properties and values, called **keyframes** and their timing options. These can then be played using the [Animation\(\)](#) constructor.

### [AnimationTimeline](#)

Represents the timeline of animation. This interface exists to define timeline features (inherited by [DocumentTimeline](#) and future timeline objects) and is not itself accessed by developers.

### [AnimationEvent](#)

Actually part of CSS Animations.

### [DocumentTimeline](#)

Represents animation timelines, including the default document timeline (accessed using the [Document.timeline](#) property).

## Extensions to other interfaces

The Web Animations API adds some new features to [document](#) and [element](#).

## Extensions to the Document interface

### [document.timeline](#)

The `DocumentTimeline` object representing the default document timeline.

### [document.getAnimations\(\)](#)

Returns an Array of [Animation](#) objects currently in effect on elements in the `document`.

## Extensions to the Element interface

### [Element.animate\(\)](#)

A shortcut method for creating and playing an animation on an element. It returns the created [Animation](#) object instance.

### [Element.getAnimations\(\)](#)

Returns an Array of [Animation](#) objects currently affecting an element or which are scheduled to do so in future.

## Specifications

Specification
<a href="#">Web Animations</a>

## See also

- [Using the Web Animations API](#)
- [Web Animations demos](#)
- [Polyfill](#)
- Firefox's current implementation: [AreWeAnimatedYet](#)
- [Browser support test](#)

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