

Definition and Usage

The `animate()` method performs a custom animation of a set of CSS properties.

This method changes an element from one state to another with CSS styles. The CSS property value is changed gradually, to create an animated effect.

Only numeric values can be animated (like "margin:30px"). String values cannot be animated (like "background-color:red"), except for the strings "show", "hide" and "toggle". These values allow hiding and showing the animated element.

Tip: Use "+=" or "-=" for relative animations.

Syntax

(selector).animate({styles}, speed, easing, callback)

Parameter	Description
<i>styles</i>	Required. Specifies one or more CSS properties/values to animate.

Note: The property names must be camel-cased when used with the `animate()` method: You will need to write `paddingLeft` instead of `padding-left`, `marginRight` instead of `margin-right`, and so on.

Properties that can be animated:

- [backgroundPositionX](#)
- [backgroundPositionY](#)
- [borderWidth](#)
- [borderBottomWidth](#)
- [borderLeftWidth](#)
- [borderRightWidth](#)
- [borderTopWidth](#)
- [borderSpacing](#)
- [margin](#)
- [marginBottom](#)
- [marginLeft](#)
- [marginRight](#)
- [marginTop](#)
- [opacity](#)
- [outlineWidth](#)
- [padding](#)
- [paddingBottom](#)
- [paddingLeft](#)
- [paddingRight](#)
- [paddingTop](#)
- [height](#)

- [width](#)
- [maxHeight](#)
- [maxWidth](#)
- [minHeight](#)
- [minWidth](#)
- [fontSize](#)
- [bottom](#)
- [left](#)
- [right](#)
- [top](#)
- [letterSpacing](#)
- [wordSpacing](#)
- [lineHeight](#)
- [textIndent](#)

Only numeric values can be animated (like "margin:30px"). String values cannot be animated (like "background-color:red"), except for the strings "show", "hide" and "toggle". These values allow hiding and showing the animated element.

Optional. Specifies the speed of the animation. Default value is 400 milliseconds

Possible values:

speed

- milliseconds (like 100, 1000, 5000, etc)
- "slow"
- "fast"

Optional. Specifies the speed of the element in different points of the animation. Default value is "swing". Possible values:

easing

- "swing" - moves slower at the beginning/end, but faster in the middle
- "linear" - moves in a constant speed

Tip: More easing functions are available in external plugins.

Optional. A function to be executed after the animation completes.

callback

To learn more about callback, please read our [jQuery Callback](#) chapter