jQuery Hide Show Effect

jQuery used to provide a various kind of effects like Hide, Show, Slide, Fade, Animate and toggle effects.

jQuery hide() method hide the matched elements. and jQuery show() method display the matched elements.

**Syntax:**

$(selector).show(); // This syntax does not accept any arguments.

$(selector).show( [duration], [callback] );

$(selector).hide(); // This syntax does not accept any arguments.

$(selector).hide( [duration], [callback] );

Parameters

* Duration *default: 400* Accept string or number that determining how long animation will run. For example predefined duration *("slow", "normal", "fast")*, or number of milliseconds to run the animation *(3000, 1000)*.

Example. *"slow", "normal", "fast", 3000 (milliseconds), 1000 (milliseconds)*.

* Callback *Optional.* A function to call once the animation is complete.

jQuery toggle() Effect

jQuery **toggle()** method used to toggles between hide and show for the selected elements.

jQuery toggle method first check the selected element is hidden then run **show()** to visible an element If element is visible then run **hide()** to hidden an element. In this way this method create a toggle effect.

Syntax:

$(selector).toggle(); // This syntax does not accept any arguments.

$(selector).toggle( [duration], [callback]);

Parameters

* duration *default: 400* Accept string or number that determining how long animation will run. For example predefined duration *("slow", "normal", "fast")*, or number of milliseconds to run the animation *(3000, 1000)*.
* callback *Optional.* A function to call once the animation is complete.

# jQuery slideUp, slideDown and slideToggle method

jQuery provides three useful sliding effect methods - slideUp, slideDown and slideToggle method. We can use these methods to hide and show an HTML element with sliding effect.

1. [slideDown()](https://way2tutorial.com/jquery/jquery_slide_effect.php#slideDown)
2. [slideUp()](https://way2tutorial.com/jquery/jquery_slide_effect.php#slideUp)
3. [slideToggle()](https://way2tutorial.com/jquery/jquery_slide_effect.php#slideToggle)

### jQuery slideDown() Method

jQuery **slideDown()** method is used to show the hidden HTML element where it looks like the content is getting shown by sliding down.

Syntax:

$(selector).slideDown(); // This syntax does not accept any arguments.

$(selector).slideDown( [duration], [callback]);

Parameters

* duration *default: 400* Accept string or number that determining how long animation will run. For example predefined duration *("slow", "normal", "fast")*, or number of milliseconds to run the animation *(3000, 1000)*.
* callback *Optional.* A function to call once the animation is complete.

### jQuery slideUp() Method

jQuery **slideUp()** method is used to hide the HTML element where it looks like the content is getting hidden by sliding up.

Syntax:

$(selector).slideUp(); // This syntax does not accept any arguments.

$(selector).slideUp( [duration], [callback]);

Parameters

* duration *default: 400* Accept string or number that determining how long animation will run. For example predefined duration *("slow", "normal", "fast")*, or number of milliseconds to run the animation *(3000, 1000)*.
* callback *Optional.* A function to call once the animation is complete.

### jQuery slideToggle() Method

jQuery **slideToggle()** method is used to toggle the HTML element with sliding hide and show effects. If the element is hidden then it will show the element like **slideDown()** method. And if element is visible then it will hide the element like **slideUp()** method.

Syntax:

$(selector).slideToggle(); // This syntax does not accept any arguments.

$(selector).slideToggle( [duration], [callback]);

Parameters

* duration *default: 400* Accept string or number that determining how long animation will run. For example predefined duration *("slow", "normal", "fast")*, or number of milliseconds to run the animation *(3000, 1000)*.
* callback *Optional.* A function to call once the animation is complete.

# jQuery fade Effects

jQuery provides an easy way to implement transparency effect in HTML through jQuery fadeIn, fadeOut, fadeToggle, and fadeTo methods.

jQuery comes with three handy methods to create the fading effect easily.

1. [fadeIn()](https://way2tutorial.com/jquery/jquery_fade_effects.php#fadeIn) - Display the matched elements with fade in effect.
2. [fadeOut()](https://way2tutorial.com/jquery/jquery_fade_effects.php#fadeOut) - Hide the matched elements with fade out / transparent effect.
3. [fadeToggle()](https://way2tutorial.com/jquery/jquery_fade_effects.php#fadeToggle) - Toggles between the fadeIn() and fadeOut() methods.
4. [fadeTo()](https://way2tutorial.com/jquery/jquery_fade_effects.php#fadeTo) - Fading the matched elements to certain opacity.

### jQuery fadeIn() Method

jQuery **fadeIn()** method is used to fade in the hidden HTML element.

Syntax:

$(selector).fadeIn(); // This syntax does not accept any arguments.

$(selector).fadeIn( [duration], [callback]);

Parameters

* duration *default: 400* Accept string or number that determining how long animation will run. For example predefined duration *("slow", "normal", "fast")*, or number of milliseconds to run the animation *(3000, 1000)*.
* callback *Optional.* A function to call once the animation is complete.

### jQuery fadeOut() Method

jQuery **fadeOut()** method is used to fade out the visible HTML element.

Syntax:

$(selector).fadeOut(); // This syntax does not accept any arguments.

$(selector).fadeOut( [duration], [callback]);

Parameters

* duration *default: 400* Accept string or number that determining how long animation will run. For example predefined duration *("slow", "normal", "fast")*, or number of milliseconds to run the animation *(3000, 1000)*.
* callback *Optional.* A function to call once the animation is complete.

### jQuery fadeToggle() Method

jQuery **fadeToggle()** method is used to toggles between the **fadeIn()** and **fadeOut()** methods.

Syntax:

$(selector).fadeToggle(); // This syntax does not accept any arguments.

$(selector).fadeToggle( [duration], [callback]);

Parameters

* duration *default: 400* Accept string or number that determining how long animation will run. For example predefined duration *("slow", "normal", "fast")*, or number of milliseconds to run the animation *(3000, 1000)*.
* callback *Optional.* A function to call once the animation is complete.

### jQuery fadeTo() Method

jQuery **fadeTo()** method is used to fading the matched elements to certain opacity.

Syntax:

$(selector).fadeTo(); // This syntax does not accept any arguments.

$(selector).fadeTo( [duration], opacity, [callback]);

Parameters

Duration *default: 400* Accept string or number that determining how long animation will run. For example predefined duration *("slow", "normal", "fast")*, or number of milliseconds to run the animation *(3000, 1000)*.

Opacity *Required.* Specifies fading to a given opacity (value between 0 and 1).

Callback *Optional.* A function to call once the animation is complete.

# jQuery Animation Effect - jQuery animate() Method

jQuery **animate()** method is used to create custom animations of a set of CSS properties. For example **height, width margin, padding, top, left, opacity** etc. However non-numeric properties such as **background-color, color** can not be animated using the jQuery **animate()** method.

Following are few **animate()** method examples,

1. [jQuery animate() - Single Property](https://way2tutorial.com/jquery/jquery_animation_effect.php#single_property)
2. [jQuery animate() - Multiple Properties](https://way2tutorial.com/jquery/jquery_animation_effect.php#multiple_properties)
3. [jQuery animate() - Relative Values](https://way2tutorial.com/jquery/jquery_animation_effect.php#relative_values)
4. [jQuery animate() - Queued Animations](https://way2tutorial.com/jquery/jquery_animation_effect.php#queued_animations)
5. [jQuery animate() - Pre-defined Values](https://way2tutorial.com/jquery/jquery_animation_effect.php#predefined_value)

Syntax:

$(selector).animate( {properties}, [duration], [callback]);

Parameters

Properties *Required* An object of CSS properties and values to be animated.

Duration *Optional.* *default: 400* Accept string or number that determining how long animation will run. For example predefined duration *("slow", "normal", "fast")*, or number of milliseconds to run the animation *(3000, 1000)*.

callback *Optional.* A function to call once the animation is complete.

# jQuery Stop Animations

jQuery stop() method is used to stop the animations (or effects) that is running on the selected elements before it is finished.

Syntax

$(selector).stop( [stopAll], [goToEnd] );

Parameters

* stopAll *Optional.* *Default: false* This boolean parameter specifies that whether or not remove queued animation. It means only the current animation will be stopped, rest of the other animations in the queue will run afterwards.
* goToEnd *Optional.* *Default: false* This boolean parameter specifies that whether or not to complete the current animation immediately.