

# jQuery Effects - Hide and Show

## jQuery hide() and show()

With jQuery, you can hide and show HTML elements with the `hide()` and `show()` methods:

### Example

```
$("#hide").click(function(){  
    $("p").hide();  
});
```

```
$("#show").click(function(){  
    $("p").show();  
});
```

#### Example 1:-

```
<!DOCTYPE html>  
  
<html>  
  
<head>  
  
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>  
  
<script>  
  
$(document).ready(function(){  
  
    $("#hide").click(function(){  
        $("p").hide();  
    });  
  
    $("#show").click(function(){  
        $("p").show();  
    });  
  
});
```

```
});  
  
</script>  
  
</head>  
  
<body>  
  
<p>If you click on the "Hide" button, I will disappear.</p>  
  
<button id="hide">Hide</button>  
  
<button id="show">Show</button>  
  
</body>  
  
</html>
```

If you click on the "Hide" button, I will disappear.

Hide

Show

## jQuery toggle()

You can also toggle between hiding and showing an element with the `toggle()` method.

Shown elements are hidden and hidden elements are shown:

## Example

```
$("#button").click(function(){
    $("#p").toggle();
});
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
```

```
<script>
```

```
$(document).ready(function(){
```

```
$("#button").click(function(){
    $("#p").toggle();
});
```

```
});
```

```
</script>
```

```
</head>
```

```
<body>
```

```
<button>Toggle between hiding and showing the paragraphs</button>
```

```
<p>This is a paragraph with little content.</p>
```

```
<p>This is another small paragraph.</p>
```

```
</body>
```

```
</html>
```

Output:-

Toggle between hiding and showing the paragraphs

This is a paragraph with little content.

This is another small paragraph.

# jQuery Effects - Fading

## jQuery Fading Methods

With jQuery you can fade an element in and out of visibility.

jQuery has the following fade methods:

- `fadeIn()`
- `fadeOut()`
- `fadeToggle()`
- `fadeTo()`

## jQuery `fadeIn()` Method

The jQuery `fadeIn()` method is used to fade in a hidden element.

### **Syntax:**

```
$(selector).fadeIn(speed, callback);
```

The optional speed parameter specifies the duration of the effect. It can take the following values: "slow", "fast", or milliseconds.

The optional callback parameter is a function to be executed after the fading completes.

The following example demonstrates the `fadeIn()` method with different parameters:

Example :-

```
<!DOCTYPE html>

<html>

<head>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>

<script>

$(document).ready(function(){

    $("button").click(function(){
        $("#div1").fadeIn();
        $("#div2").fadeIn("slow");
        $("#div3").fadeIn(3000);
    });

});

</script>

</head>

<body>

<p>Demonstrate fadeIn() with different parameters.</p>

<button>Click to fade in boxes</button><br><br>

<div id="div1" style="width:80px;height:80px;display:none;background-color:red;"></div><br>

<div id="div2" style="width:80px;height:80px;display:none;background-color:green;"></div><br>

<div id="div3" style="width:80px;height:80px;display:none;background-color:blue;"></div>

</body>

</html>
```

Output :-

Demonstrate `fadeIn()` with different parameters.

Click to fade in boxes

After click :-

Demonstrate `fadeIn()` with different parameters.

Click to fade in boxes



# jQuery fadeOut() Method

The jQuery `fadeOut()` method is used to fade out a visible element.

## Syntax:

```
$(selector).fadeOut(speed, callback);
```

The optional speed parameter specifies the duration of the effect. It can take the following values: "slow", "fast", or milliseconds.

The optional callback parameter is a function to be executed after the fading completes.

The following example demonstrates the `fadeOut()` method with different parameters:

```
<!DOCTYPE html>

<html>

<head>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>

<script>

$(document).ready(function(){

    $("button").click(function(){
        $("#div1").fadeOut();
        $("#div2").fadeOut("slow");
        $("#div3").fadeOut(3000);
    });

});

</script>

</head>

<body>

<p>Demonstrate fadeOut() with different parameters.</p>
```

```
<button>Click to fade out boxes</button><br><br>
```

```
<div id="div1" style="width:80px;height:80px;background-color:red;"></div><br>
```

```
<div id="div2" style="width:80px;height:80px;background-color:green;"></div><br>
```

```
<div id="div3" style="width:80px;height:80px;background-color:blue;"></div>
```

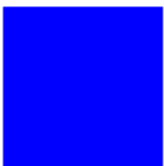
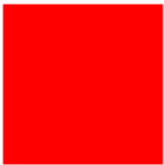
```
</body>
```

```
</html>
```

Output:-

Demonstrate `fadeOut()` with different parameters.

Click to fade out boxes



# jQuery fadeToggle() Method

The jQuery `fadeToggle()` method toggles between the `fadeIn()` and `fadeOut()` methods.

If the elements are faded out, `fadeToggle()` will fade them in.

If the elements are faded in, `fadeToggle()` will fade them out.

## Syntax:

```
$(selector).fadeToggle(speed, callback);
```

The optional speed parameter specifies the duration of the effect. It can take the following values: "slow", "fast", or milliseconds.

The optional callback parameter is a function to be executed after the fading completes.

The following example demonstrates the `fadeToggle()` method with different parameters:

```
<!DOCTYPE html>

<html>

<head>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>

<script>

$(document).ready(function(){

    $("#button").click(function(){
        $("#div1").fadeToggle();
        $("#div2").fadeToggle("slow");
        $("#div3").fadeToggle(3000);
    });

});

</script>

</head>
```

```
<body>
```

```
<p>Demonstrate fadeToggle() with different speed parameters.</p>
```

```
<button>Click to fade in/out boxes</button><br><br>
```

```
<div id="div1" style="width:80px;height:80px;background-color:red;"></div>
```

```
<br>
```

```
<div id="div2" style="width:80px;height:80px;background-color:green;"></div>
```

```
<br>
```

```
<div id="div3" style="width:80px;height:80px;background-color:blue;"></div>
```

```
</body>
```

```
</html>
```

Output:-

Demonstrate `fadeToggle()` with different speed parameters.

Click to fade in/out boxes



## jQuery `fadeTo()` Method

The jQuery `fadeTo()` method allows fading to a given opacity (value between 0 and 1).

### Syntax:

```
$(selector).fadeTo(speed,opacity,callback);
```

The required speed parameter specifies the duration of the effect. It can take the following values: "slow", "fast", or milliseconds.

The required opacity parameter in the `fadeTo()` method specifies fading to a given opacity (value between 0 and 1).

The optional callback parameter is a function to be executed after the function completes.

The following example demonstrates the `fadeTo()` method with different parameters:

```
<!DOCTYPE html>

<html>

<head>

<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></scrip
t>

<script>

$(document).ready(function(){

    $("button").click(function(){
        $("#div1").fadeTo("slow", 0.15);
        $("#div2").fadeTo("slow", 0.4);
        $("#div3").fadeTo("slow", 0.7);
    });

});

</script>

</head>

<body>

<p>Demonstrate fadeTo() with different parameters.</p>

<button>Click to fade boxes</button><br><br>

<div id="div1" style="width:80px;height:80px;background-
color:red;"></div><br>

<div id="div2" style="width:80px;height:80px;background-
color:green;"></div><br>

<div id="div3" style="width:80px;height:80px;background-
color:blue;"></div>
```

```
</body>
```

```
</html>
```

Output:-

Demonstrate fadeTo() with different parameters.

Click to fade boxes

