

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 : fade.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.4/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>

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

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

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

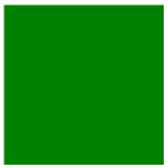
</body>

</html>

Output:-

Demonstrate `fadeIn()` with different parameters.

Click to fade in boxes



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:

Example:-

`fadeout.html :-`

```
<!DOCTYPE html>

<html>

<head>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.4/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>
```



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/3.6.4/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>
```

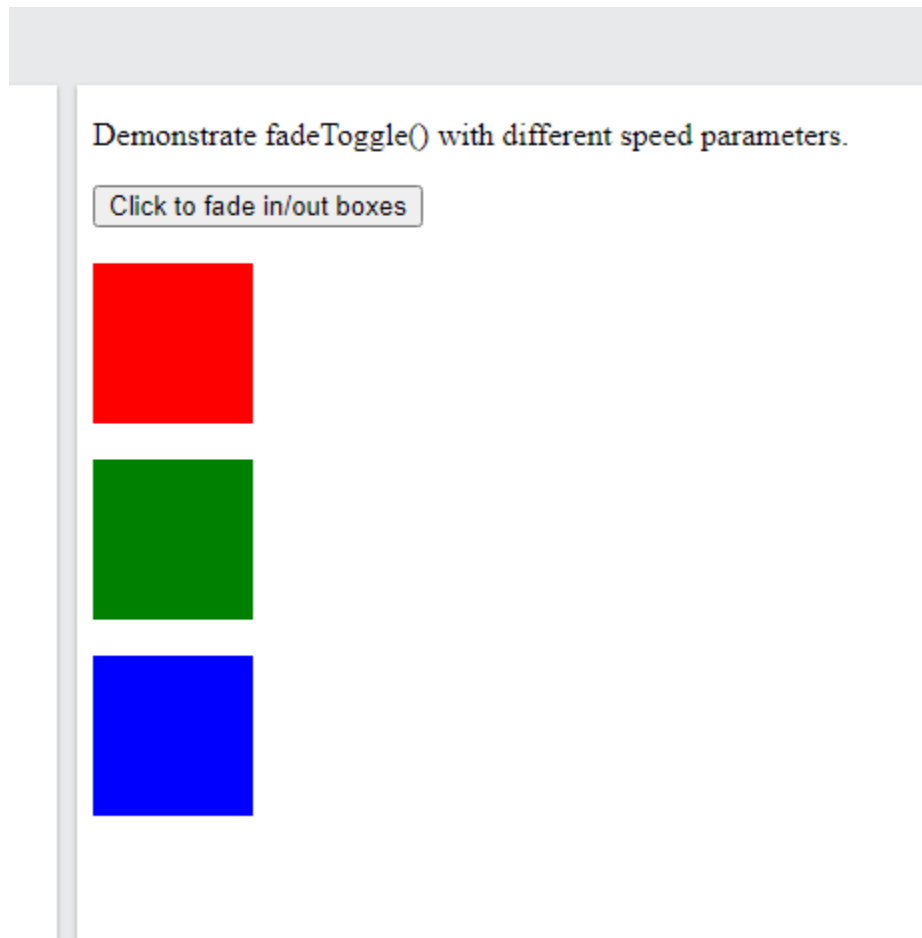
```
<br>
```

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

```
</body>
```

```
</html>
```

Output:-



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/3.6.4/jquery.min.js"></script>

<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:-