CSS Transition

The CSS transitions are effects that are added to change the element gradually from one style to another, without using flash or [JavaScript](https://javatpoint.com/javascript-tutorial).

In this chapter you will learn about the following properties:

* transition
* transition-delay
* transition-duration
* transition-property
* transition-timing-function

You should specify two things to create [CSS](https://javatpoint.com/css-tutorial) transition.

* The CSS property on which you want to add an effect.
* The time duration of the effect.

#### **Note: If you don't specify the duration part, the transition will have no effect because its default value is 0. The transition effect is started when you move cursor over an element.**

#### **Note: The transition property is not supported by IE9 and earlier version.**

1. <!DOCTYPE html**>**
2. **<html>**
3. **<head>**
4. **<style>**
5. div{
6. width: 100px;
7. height: 100px;
8. background: orange;
9. -webkit-transition: width 1s; /\* For Safari 3.1 to 6.0 \*/
10. transition: width 1s;
11. }
12. div:hover {
13. width: 300px;
14. }
15. **</style>**
16. **</head>**
17. **<body>**
18. **<div></div>**
19. **<p>**Move the cursor over the div element above, to see the transition effect.**</p>**
20. **</body>**
21. **</html>**

#### **Note: When you take mouse cursor out of the element, it gains its original style gradually.**

## **CSS Multiple Transition Effect**

It is used to add transition effect for more than one CSS property. If you want to add transition effect on more than one property, separate those properties with a comma.

Let's take an example. Here, the transition effects on width, height and transformation.

1. <!DOCTYPE html**>**
2. **<html>**
3. **<head>**
4. **<style>**
5. div {
6. padding:15px;
7. width: 150px;
8. height: 100px;
9. background: violet;
10. -webkit-transition: width 2s, height 2s, -webkit-transform 2s; /\* For Safari 3.1 to 6.0 \*/
11. transition: width 2s, height 2s, transform 2s;
12. }
13. div:hover {
14. width: 300px;
15. height: 200px;
16. -webkit-transform: rotate(360deg); /\* Chrome, Safari, Opera \*/
17. transform: rotate(360deg);
18. }
19. **</style>**
20. **</head>**
21. **<body>**
22. **<div><b>**CSS**</b><p>** (Move your cursor on me to see the effect)**</p></div>**
23. **</body>**
24. **</html>**

## **Transition + Transformation**

The following example adds a transition effect to the transformation:

<!DOCTYPE html>

<html>

<head>

<style>

div {

width: 100px;

height: 100px;

background: blue;

transition: width 2s, height 2s, transform 2s;

border-radius:40%;

}

div:hover {

width: 300px;

height: 300px;

transform: rotate(180deg);

}

#d1{

background:red;

width:50px;

height:50px;

margin:auto;

}

</style>

</head>

<body>

<h1>Transition + Transform</h1>

<p>Hover over the div element below:</p>

<div>

<div id="d1">

</div>

</div>

</body>

</html>