

Web Development



Cascade Styling Sheet (CSS-3)

By

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Reference Books:

1. www.w3school.com
2. *HTML dog* by Partick Griffiths.
3. *Professional CSS Cascad Style Sheet for Web Design*, by Christopher Schmitt.
4. *Javascript, Sixth Edition*, by Danny Goodman.
5. *PHP6, Apache,MySql Web Development*, by Timothy Boronczyk.



Cascade Styling Sheet (CSS)



Transformation: it is used to transform HTML element such as translate, rotate, scale, skewx, skewy.

In this lecture you will learn about the following 2D transformation methods:

- ✓ translate()
- ✓ rotate()
- ✓ scale()
- ✓ skewX()
- ✓ skewY()



Cascade Styling Sheet (CSS)

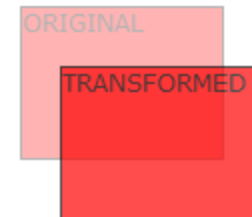
Transformation: it is used to transform HTML element such as **translate, rotate, scale, skewx, skewy.**

In this lecture you will learn about the following 2D transformation methods:

1- `translate()`: moves an element from its current position to a specified position by x & y trajectories.

`transform: translate(x,y);`

Example: `Div {transform: translate(4px,6px)}`



2- `rotate()`: rotates an element clockwise or anti-clockwise by specifying a degree of the rotation.

`transform: rotate(+xdeg);`

Example: `div {transform: rotate(-30deg)}`





Cascade Styling Sheet (CSS)

Transformation: it is used to transform HTML element such as **translate, rotate, scale, skewx, skewy.**

In this lecture you will learn about the following 2D transformation methods:

3- `scale()`: increases or decreases the size of the element

`transform: scale(x-size, y-size);`



Example: `Div {transform: scale(2,0.5)}` : means increase x-axis two times, decrease y-axis to the half.

4- `skewx()` & `skewy()` : skews an element along x-axis or y-axis clockwise or anti-clockwise by specifying a degree of the rotation.

`transform: skewx(+-xpx);`

`transform: skewy(+-xpx);`

`transform: skew(+-xpx, +-ypr);`

Cascade Styling Sheet (CSS)



Transition: To create a transition effect, you must specify two things:

- 1- The CSS property you want to add an effect to, example, square shape.
- 2- The duration of the effect.

```
div {  
    width: 100px;  
    height: 100px;  
    background: red;  
transition: height 2s; }  
div:hover {  
    height: 300px; background-color:blue; }  
</style>  
</head>  
<body> <div></div> </body>
```

Other Property for the transition:

```
div { define shape.  
transition-property: width;  
transition-duration: 2s;  
transition-delay: 1s;  
}
```

H.W. : Animation in w3school.com