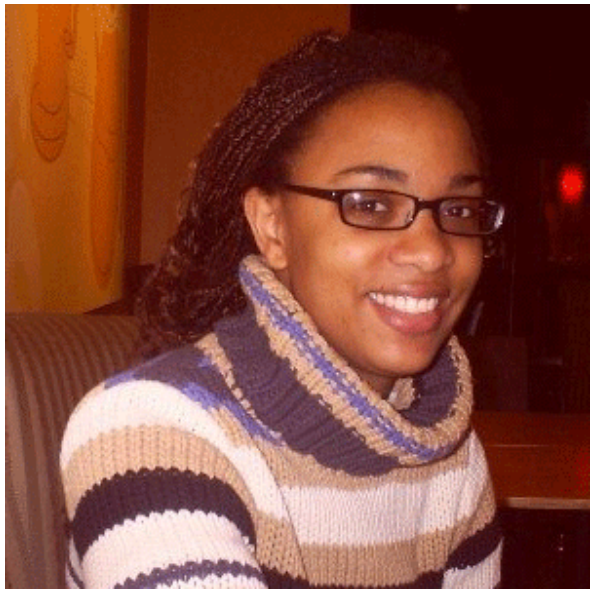
CSS Transition and 2D Transform



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Definition

CSS Transform allows elements styled in CSS to be transformed in **two-dimensional.**

Source : http://www.w3.org/TR/css3-transforms/

transform-property

Shape
Size
Position

Introduction to 2D Transform Methods

2D Transition Demonstrations

Tutorials

What You Need

Code Editor

Modern Browser

Demo Files

Introduction to 2D Transform Methods

The Transform Methods

Skew()
Scale()
Rotate()
Translate()

Skew()

skews element along **X** and **Y**-axis

Skew(20deg, 10deg)

20 degrees on the X-axis

Skew(20deg, 10deg)

20 degrees on the X-axis

10 degrees on the Y-axis

Skew()

skewX()

skewY()

SkewX(20deg)

X-axis by 20degrees

SkewX(-20deg)

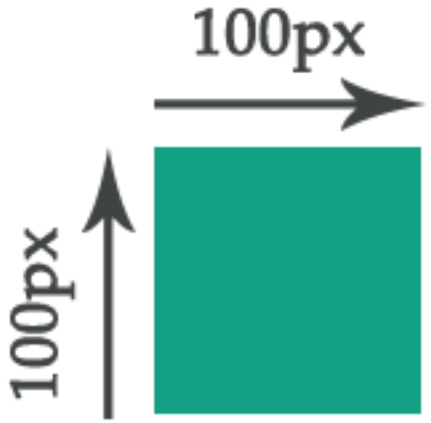
X-axis by 20degrees

Scale()

Increases or decreases the size of an element

Scale(width, height)

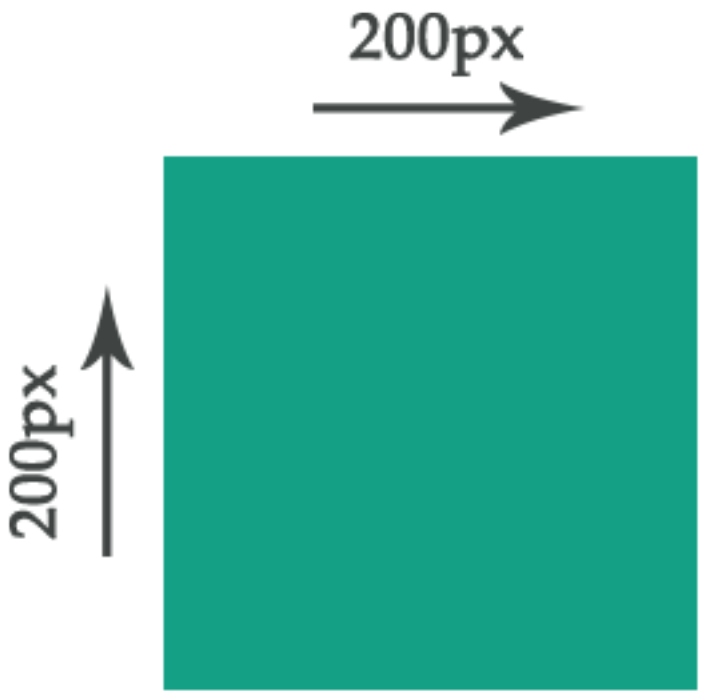
Increases or decreases the size of an element



Scale()

width = 100px

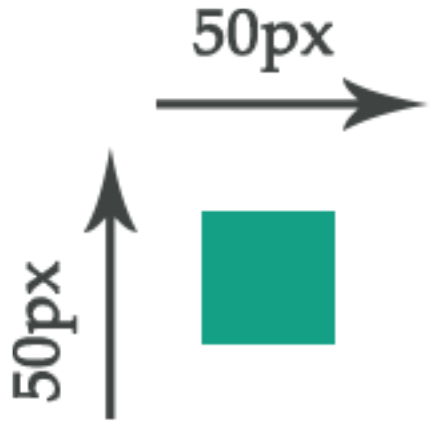
height = 100px



Scale(2,2)

width = 200px

height = 200px



Scale(0.5,0.5)

width = 50px

height = 50px

Scale()

ScaleX()

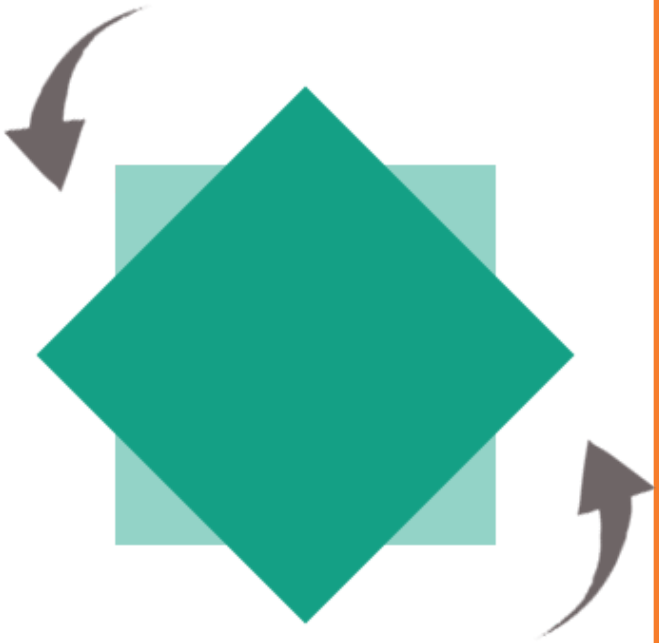
ScaleY()

Rotate()

Rotates an element **clockwise** or **counter-clockwise** according to a given degree.

Rotate(90deg)

rotates clockwise



Rotate(-90deg)

rotates counter-clockwise

Translate()

Moves an element from its current position

Translate(X-axis, Y-axis)

Moves an element from its current position

Translate(X-axis, Y-axis)

Moves an element from its current position

Translate(X-axis, Y-axis)

Moves an element from its current position

Translate()

TranslateX()

TranslateY()

TranslateX(50px)

Moves the element 50px to the right

TranslateX(-50px)

Moves the element 50px to the left

TranslateY(50px)

Moves the element 50px to the bottom

TranslateY(-50px)

Moves the element 50px to the top

2D Transition Demonstrations

The Transform-property

Browser Support

The Transform Property

```
.box {
height: 100px;
width: 100px;
background-color: red;

}
```

```
.box:hover {



}
```

The Transform Property

```
.box {
height: 100px;
width: 100px;
background-color: red;

}
```

Initial State

```
.box:hover {


}
```

Final State

The Transform Property

Syntax

transform: function(parameters)

transform: skew(parameters)

The Transform Property

```
.box {
height: 100px;
width: 100px;
background-color: red;

}
```

Initial State

```
.box:hover {
transform: skewX(20deg);

}
```

Final State

The Transform Property

```
.box {
height: 100px;
width: 100px;
background-color: red;
transition: transform 2s;

}
```

Initial State

```
.box:hover {
transform: skewX(20deg);

}
```

Final State

The Transform Property

```
.box {
height: 100px;
width: 100px;
background-color: red;
transition: transform 2s;

}
```

Initial State

```
.box:hover {
transform: skewX(20deg);

}
```

Final State

The Transform Property

```
.box {
height: 100px;
width: 100px;
background-color: red;
transition: transform 2s;

}
```

Initial State

```
.box:hover {
-webkit-transform: skewX(20deg);
-moz-transform: skewX(20deg);
-o-transform: skewX(20deg);
-ms-transform: skewX(20deg);
transform: skewX(20deg);
}
```

Final State

The Transform Property

```
.box {
height: 100px;
width: 100px;
background-color: red;
transition: transform 2s;
-webkit-transition: transform 2s;
-moz-transition: transform 2s;
-o-transition: transform 2s;
-ms-transition: transform 2s;
transition: transform 2s;
}
```

```
.box:hover {
-webkit-transform: skewX(20deg);
-moz-transform: skewX(20deg);
-o-transform: skewX(20deg);
-ms-transform: skewX(20deg);
transform: skewX(20deg);
}
```

Transition-timing-function

linear

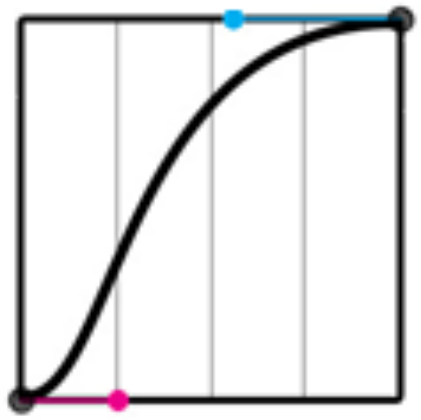
ease

ease-in

ease-out

ease-in-out

Transition-timing-function

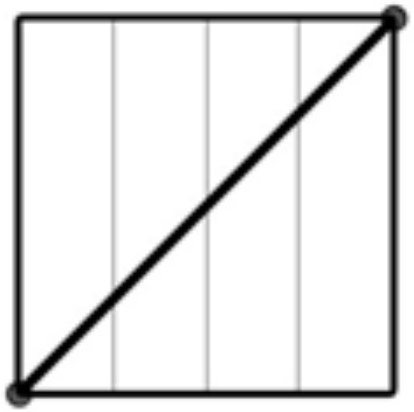


ease (default)

starts slow

ends slow

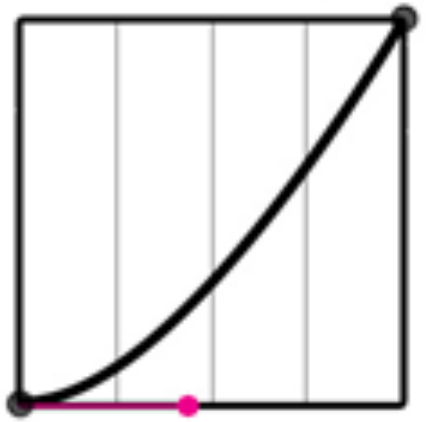
Transition-timing-function



linear

same speed

Transition-timing-function

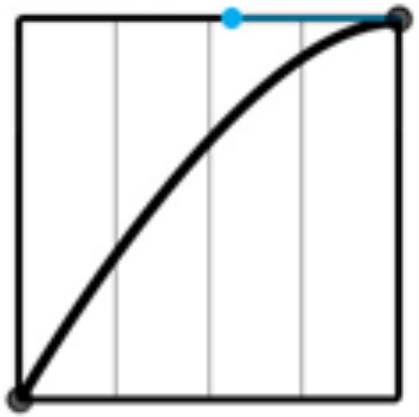


ease-in

starts slow

ends fast

Transition-timing-function



ease-out

starts fast

ends slow

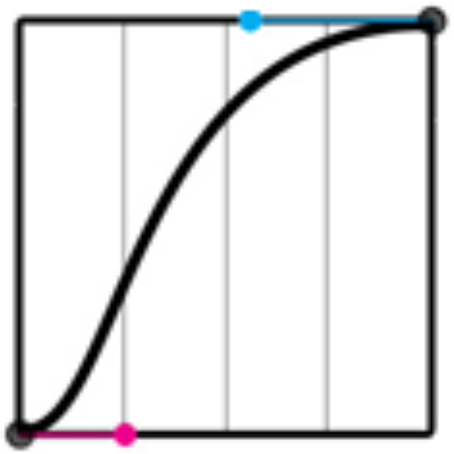
Transition-timing-function

ease-in-out

starts slow

ends slow

ease (default)



ease-in-out