



CSS Class

CSS Notes

CSS3-Cascading Style Sheets Level 3



CSS3 Shadow Effects






- With CSS3 you can add shadow to text and to elements.
- The following properties are:
 - text-shadow
 - box-shadow



Cont...

■ Browser Support:

- The numbers in the table specify the first browser version that fully supports the property.
- Numbers followed by -webkit- or -moz- specifies the first version that worked with a prefix.

Property					
text-shadow	4.0	10.0	3.5	4.0	9.5
box-shadow	10.0 4.0 -webkit-	9.0	4.0 3.5 -moz-	5.1 3.1 -webkit-	10.5



Cont...

■ CSS3 Text Shadow:

- The CSS3 text-shadow property applies shadow to text.
- In its simplest use, you only specify the horizontal shadow (2px) and the vertical shadow (2px).
- Multiple Shadows:
 - To add more than one shadow to the text, you can add a comma-separated list of shadows.

■ CSS3 box-shadow Property:

- The CSS3 box-shadow property applies shadow to elements.
- In its simplest use, you only specify the horizontal shadow and the vertical shadow.
- You can also add shadows to the ::before and ::after pseudo-elements, to create an interesting effect.



Cont...

■ CSS3 Shadow Properties:

Property	Description
box-shadow	Adds one or more shadows to an element
text-shadow	Adds one or more shadows to a text



Example (Text Shadow)

```
<!DOCTYPE html>
<html>
<head>
<style>
h1 {
  text-shadow: 2px 2px 5px blue;
}
</style>
</head>
<body>

<h1>Text-shadow effect!</h1>

</body>
</html>
```

Text-shadow effect!



Example (Box Shadow)

```
<!DOCTYPE html>
<html>
<head>
<style>
div {
  width: 300px;
  height: 100px;
  padding: 15px;
  background-color: blue;
  box-shadow: 10px 10px 5px grey;
  color :white;
}
</style>
</head>
<body>

<div>This is a div element with a box-shadow</div>

</body>
</html>
```

This is a div element with a box-shadow



CSS3 Text





- CSS3 contains several new text features.
- The following text properties are:
 - text-overflow
 - word-wrap
 - word-break



Cont...

■ Browser Support:

- The numbers in the table specify the first browser version that fully supports the property.
- Numbers followed by -o- specify the first version that worked with a prefix.

Property					
text-overflow	4.0	6.0	7.0	3.1	11.0 9.0 -o-
word-wrap	23.0	5.5	3.5	6.1	12.1
word-break	4.0	5.5	15.0	3.1	15.0



Cont...

■ CSS3 Text Overflow:

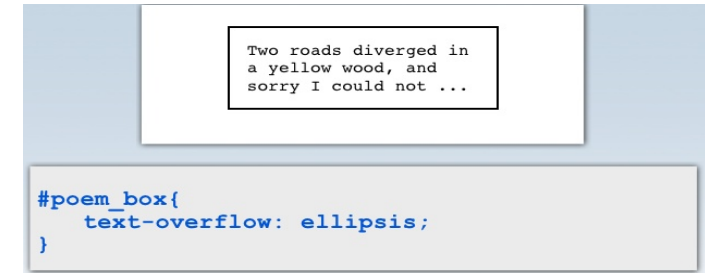
The CSS3 text-overflow property specifies how overflowed content that is not displayed should be signaled to the user.

■ CSS3 Word Wrapping:

The CSS3 word-wrap property allows long words to be able to be broken and wrap onto the next line.

■ CSS3 Word Breaking:

The CSS3 word-break property specifies line breaking rules.



Without break-word

http://www.webdesignerwall.com_title_with_a_long_url_continue_here

With break-word

http://www.webdesignerwall.com_title_with_a_long_url_continue_here



Cont...

■ CSS3 Text Properties:

Property	Description
text-align-last	Specifies how to align the last line of a text.
text-justify	Specifies how justified text should be aligned and spaced.
text-overflow	Specifies how overflowed content that is not displayed should be signaled to the user.
word-break	Specifies line breaking rules for non-CJK scripts.
word-wrap	Allows long words to be able to be broken and wrap onto the next line.



Example (Text Overflow)

```
<!DOCTYPE html>
<html>
<head>
<style>
p.test1 {
  white-space: nowrap; width: 200px; border: 1px solid #000000;
  overflow: hidden; text-overflow: clip;
}
p.test2 {
  white-space: nowrap; width: 200px; border: 1px solid #000000;
  overflow: hidden; text-overflow: ellipsis;
}
</style>
</head>
<body>
<h1>The text-overflow Property</h1>
<p>The following two paragraphs contains a long text that will not fit in
the box.</p>
<h2>text-overflow: clip:</h2>
<p class="test1">This is some long text that will not fit in the box</p>
<h2>text-overflow: ellipsis:</h2>
<p class="test2">This is some long text that will not fit in the box</p>
</body>
</html>
```

The text-overflow Property

The following two paragraphs contains a long text that will not fit in the box.

text-overflow: clip:

This is some long text that will

text-overflow: ellipsis:

This is some long text that ...



Example (Word Wrap)

```
<!DOCTYPE html>
<html>
<head>
<style>
p.test {
  width: 11em;
  border: 1px solid #000000;
  word-wrap: break-word;
}
</style>
</head>
<body>
<p class="test"> This paragraph contains a very long
word: thisisaveryveryveryveryveryverylongword. The long
word will break and wrap to the next line.</p>
</body>
</html>
```

The word-wrap Property

This paragraph contains a very long word: thisisaveryveryveryveryveryverylongword. The long word will break and wrap to the next line.



Example (Word Break)

```
<!DOCTYPE html>
<html>
<head>
<style>
p.test1 {
  width: 140px;
  border: 1px solid red;
  word-break: keep-all;
}
p.test2 {
  width: 140px;
  border: 1px solid red;
  word-break: break-all;
}
</style>
</head>
<body>
<h1>The word-break Property</h1>
<p class="test1">This paragraph contains some text. This line will-break-
at-hyphens.</p>
<p class="test2">This paragraph contains some text. The lines will break
at any character.</p>
</body>
</html>
```

The word-break Property

This paragraph
contains some text.
This line will-break-
at-hyphens.

This paragraph contain
s some text. The lin
es will break at any c
haracter.



CSS3 2D Transforms






- CSS3 transforms allow you to translate, rotate, scale, and skew elements.
- A transformation is an effect that lets an element change shape, size and position.
- CSS3 supports 2D and 3D transformations.



Cont...

■ Browser Support for 2D Transforms:

- The numbers in the table specify the first browser version that fully supports the property.
- Numbers followed by -ms-, -webkit-, -moz-, or -o- specify the first version that worked with a prefix.

Property					
transform	36.0 4.0 -webkit-	10.0 9.0 -ms-	16.0 3.5 -moz-	9.0 3.2 - webkit-	23.0 15.0 -webkit- 12.1 10.5 -o-
transform-origin (two-value syntax)	36.0 4.0 -webkit-	10.0 9.0 -ms-	16.0 3.5 -moz-	9.0 3.2 - webkit-	23.0 15.0 -webkit- 12.1 10.5 -o-



Cont...

- CSS3 2D Transforms:

- The following 2D transformation methods are:

- `translate()`
- `rotate()`
- `scale()`

- The `translate()` Method:

- The `translate()` method moves an element from its current position (according to the parameters given for the X-axis and the Y-axis).



Cont...

- The rotate() Method:

- The rotate() method rotates an element clockwise or counter-clockwise according to a given degree.

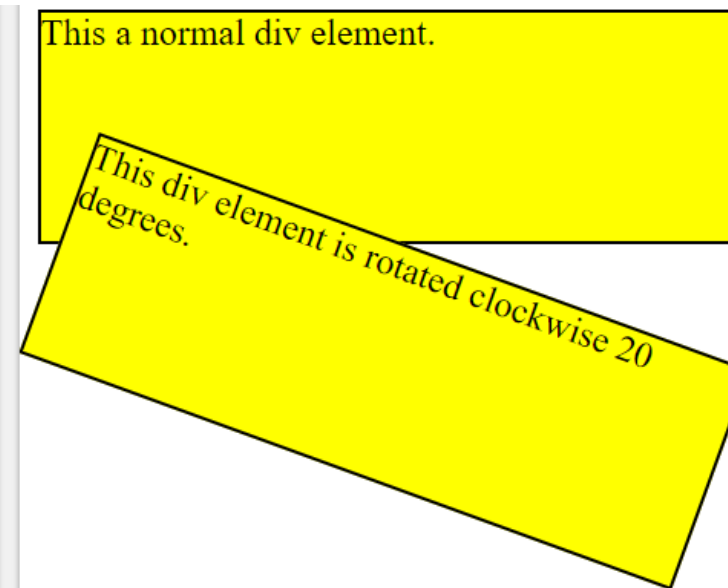
- The scale() Method:

- The scale() method increases or decreases the size of an element (according to the parameters given for the width and height).



Example (rotate)

```
<!DOCTYPE html>
<html>
<head>
<style>
div {
  width: 300px; height: 100px;
  background-color: yellow; border: 1px solid black;
}
div#myDiv {
  -ms-transform: rotate(20deg); /* IE 9 */
  -webkit-transform: rotate(20deg); /* Safari prior 9.0 */
  transform: rotate(20deg); /* Standard syntax */
}
</style>
</head>
<body>
<div>
This a normal div element.
</div>
<div id="myDiv">
This div element is rotated clockwise 20 degrees.
</div>
</body>
</html>
```



■ CSS3 Transform Properties:

- The following table lists all the 2D transform properties:

Property	Description
transform	Applies a 2D or 3D transformation to an element
transform-origin	Allows you to change the position on transformed elements



Example (scale)

```
<!DOCTYPE html>
<html>
<head>
<style>
div {
  margin: 150px; width: 200px;
  height: 100px; background-color: yellow;
  border: 1px solid black;
  -ms-transform: scale(2,3); /* IE 9 */
  -webkit-transform: scale(2,3); /* Safari prior 9.0 */
  transform: scale(2,3); /* Standard syntax */
}
</style>
</head>
<body>
<div>
This div element is two times of its original width,
and three times of its original height.
</div>

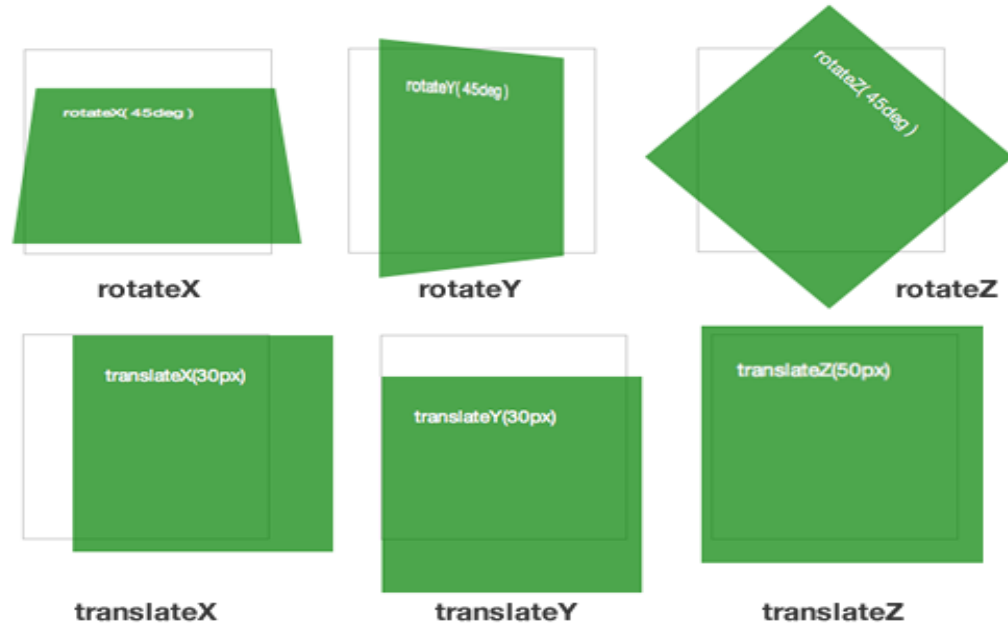
</body>
</html>
```

This div element is two times of its original width, and three times of its original height.



CSS3 3D Transforms

- CSS3 allows you to format your elements using 3D transformations.
- The following 3D transformation methods are:
 - rotateX()
 - rotateY()
 - rotateZ()



Cont...

- The rotateX() Method:

- The rotateX() method rotates an element around its X-axis at a given degree.

- The rotateY() Method:

- The rotateY() method rotates an element around its Y-axis at a given degree.

- The rotateZ() Method:

- The rotateZ() method rotates an element around its Z-axis at a given degree.



Example (rotateX)

```
<!DOCTYPE html>
<html>
<head>
<style>
div {
  width: 300px;
  height: 100px;
  background-color: yellow;
  border: 1px solid black;
}
#myDiv {
  -webkit-transform: rotateX(150deg); /* Safari prior 9.0 */
  transform: rotateX(150deg); /* Standard syntax */
}
</style>
</head>
<body>
<div>
This a normal div element.
</div>
<div id="myDiv">
This div element is rotated 150 degrees.
</div>
</body>
</html>
```

This a normal div element.

This div element is rotated 150 degrees.



Example (transform)

```
<!DOCTYPE html>
<html>
<head>
<style>
div.a {
  width: 150px; height: 80px;
  background-color: yellow;
  -ms-transform: rotate(20deg); /* IE 9 */
  -webkit-transform: rotate(20deg); /* Safari 3-8 */
  transform: rotate(20deg);
}

</style>
</head>
<body>

<h2>transform: rotate(20deg):</h2>
<div class="a">Hello World!</div>
<br>
</body>
</html>
```

transform: rotate(20deg):

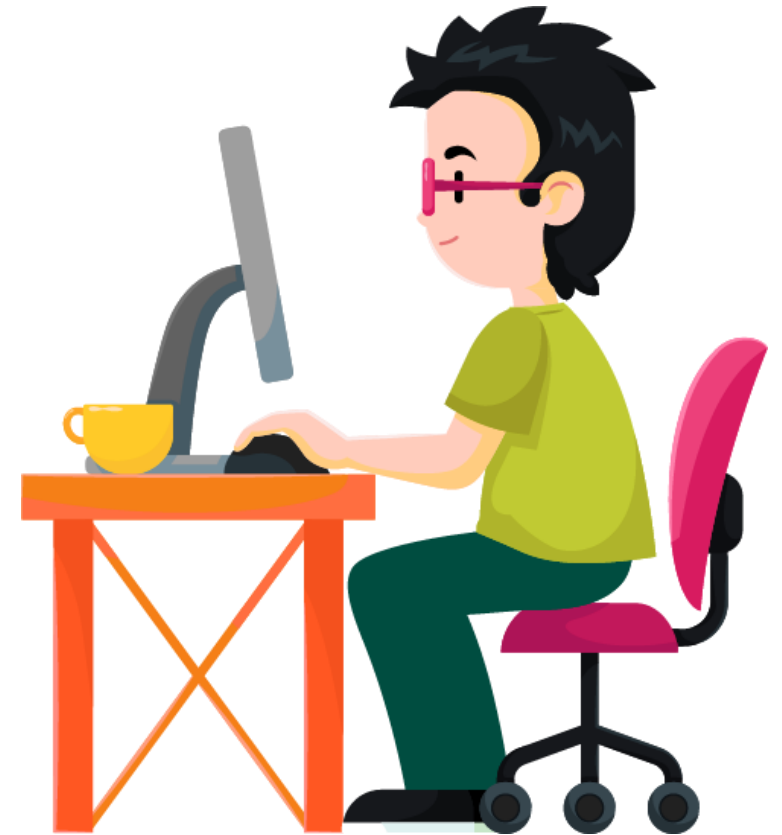


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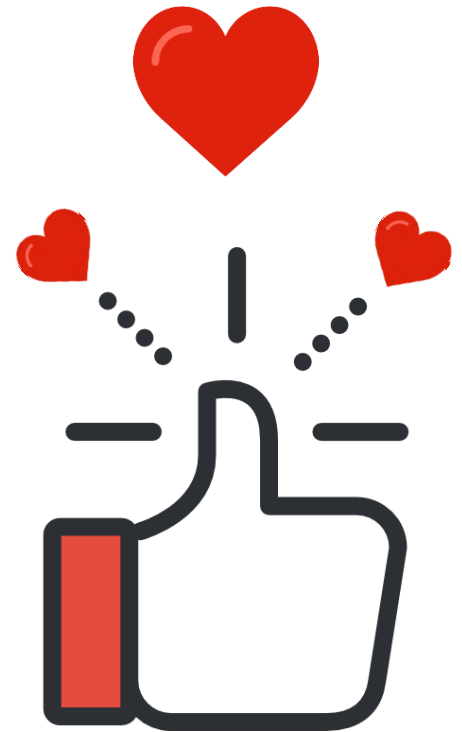
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