

CSS FILTERS - TEXT AND IMAGE EFFECTS

http://www.tutorialspoint.com/css/css_text_effects.htm

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You can use CSS filters to add special effects to text, images and other aspects of a webpage without using images or other graphics. **Filters only work on Internet Explorer 4.0+.** If you are developing your site for multi browsers, then it may not be a good idea to use CSS filters because there is a possibility that it would not give any advantage.

In this chapter, we will see the details of each CSS filter. These filters may not work in your browser.

Alpha Channel

The Alpha Channel filter alters the opacity of the object, which makes it blend into the background. The following parameters can be used in this filter –

Parameter	Description
opacity	Level of the opacity. 0 is fully transparent, 100 is fully opaque.
finishopacity	Level of the opacity at the other end of the object.
style	The shape of the opacity gradient. 0 = uniform 1 = linear 2 = radial 3 = rectangular
startX	X coordinate for opacity gradient to begin.
startY	Y coordinate for opacity gradient to begin.
finishX	X coordinate for opacity gradient to end.
finishY	Y coordinate for opacity gradient to end.

Example

```
<html>
  <head>
  </head>

  <body>
    <p>Image Example:</p>

    
    <p>Text Example:</p>

    <div style="width: 357;
      height: 50;
```

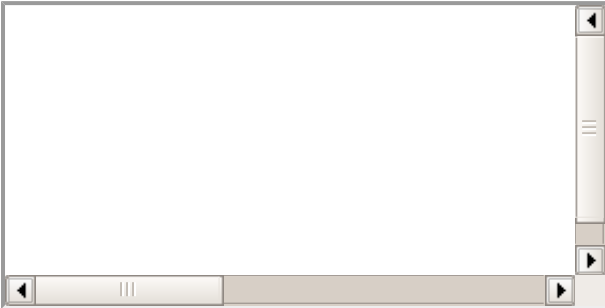
```

font-size: 30pt;
font-family: Arial Black;
color: blue;
Filter: Alpha(Opacity=100, FinishOpacity=0, Style=1, StartX=0, StartY=0,
FinishX=580, FinishY=0)">CSS Tutorials</div>
</body>

</html>

```

It will produce the following result –



Motion Blur

Motion Blur is used to create blurred pictures or text with the direction and strength. The following parameters can be used in this filter –

Parameter	Description
add	True or false. If true, the image is added to the blurred image; and if false, the image is not added to the blurred image.
direction	The direction of the blur, going clockwise, rounded to 45-degree increments. The default value is 270 <i>left</i>. 0 = Top 45 = Top right 90 = Right 135 = Bottom right 180 = Bottom 225 = Bottom left 270 = Left 315 = Top left
strength	The number of pixels the blur will extend. The default is 5 pixels.

Example

```

<html>
<head>
</head>

<body>
<p>Image Example:</p>



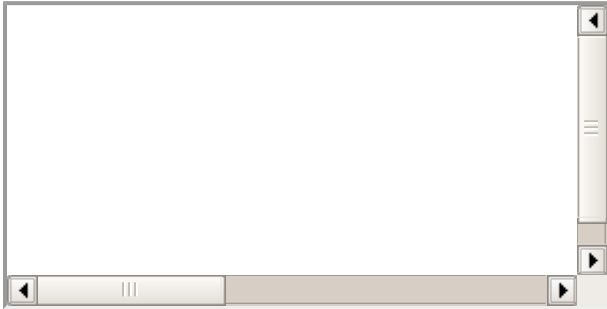
<p>Text Example:</p>

<div style="width: 357;
height: 50;
font-size: 30pt;
font-family: Arial Black;
color: blue;
Filter: Blur(Add = 1, Direction = 225, Strength = 10)">CSS Tutorials</div>
</body>

</html>

```

It will produce the following result –



Chroma Filter

Chroma Filter is used to make any particular color transparent and usually it is used with images. You can use it with scrollbars also. The following parameter can be used in this filter –

Parameter	Description
color	The color that you'd like to be transparent.

Example

```

<html>
<head>
</head>

<body>
<p>Image Example:</p>



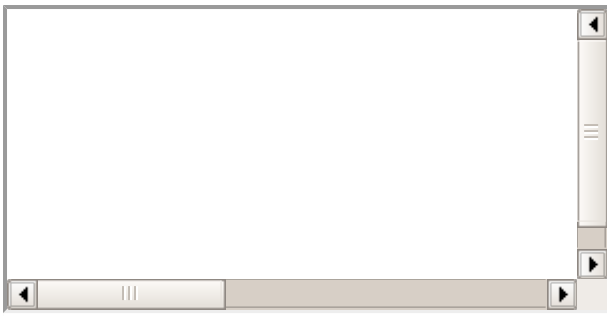
<p>Text Example:</p>

<div style="width: 580;
height: 50;
font-size: 30pt;
font-family: Arial Black;
color: #3300FF;
Filter: Chroma(Color = #3300FF)">CSS Tutorials</div>
</body>

</html>

```

It will produce the following result –



Drop Shadow Effect

Drop Shadow is used to create a shadow of your object at the specified X *horizontal* and Y *vertical* offset and color.

The following parameters can be used in this filter –

Parameter	Description
color	The color, in #RRGGBB format, of the dropshadow.
offX	Number of pixels the drop shadow is offset from the visual object, along the x-axis. Positive integers move the drop shadow to the right, negative integers move the drop shadow to the left.
offY	Number of pixels the drop shadow is offset from the visual object, along the y-axis. Positive integers move the drop shadow down, negative integers move the drop shadow up.
positive	If true, all opaque pixels of the object have a dropshadow. If false, all transparent pixels have a dropshadow. The default is true.

Example

```
<html>
  <head>
  </head>

  <body>
    <p>Image Example:</p>

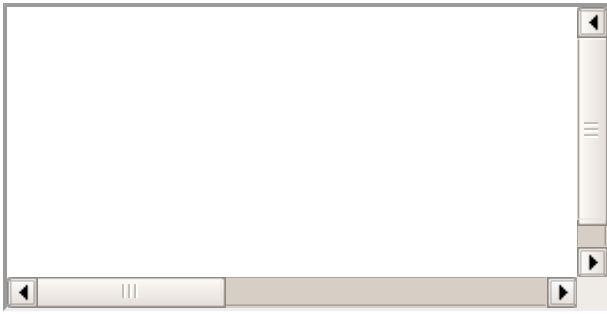
    

    <p>Text Example:</p>

    <div style="width: 357;
      height: 50;
      font-size: 30pt;
      font-family: Arial Black;
      color: red;
      Filter: DropShadow(Color=#000000, OffX=2, OffY=2, Positive=1)">CSS
Tutorials</div>
  </body>

</html>
```

It will produce the following result –



Flip Effect

Flip effect is used to create a mirror image of the object. The following parameters can be used in this filter –

Parameter	Description
FlipH	Creates a horizontal mirror image
FlipV	Creates a vertical mirror image

Example

```
<html>
  <head>
  </head>

  <body>
    <p>Image Example:</p>

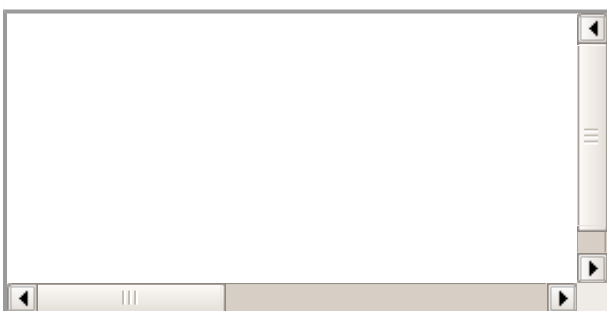
    

    <p>Text Example:</p>

    <div style="width: 300;
      height: 50;
      font-size: 30pt;
      font-family: Arial Black;
      color: red;
      Filter: FlipV">CSS Tutorials</div>
  </body>
</html>
```

It will produce the following result –



Glow Effect

Glow effect is used to create a glow around the object. If it is a transparent image, then glow is created around the opaque pixels of it. The following parameters can be used in this filter –

Parameter	Description
-----------	-------------

color	The color you want the glow to be.
strength	The intensity of the glow <i>from 1 to 255</i> .

Example

```
<html>
  <head>
  </head>

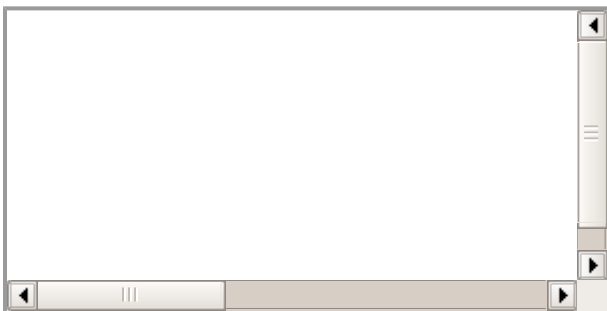
  <body>
    <p>Image Example:</p>

    <p>Text Example:</p>

    <div style="width: 357;
      height: 50;
      font-size: 30pt;
      font-family: Arial Black;
      color: red;
      Filter: Glow(Color=#00FF00, Strength=20)">CSS Tutorials</div>
  </body>
</html>
```

It will produce the following result –



Grayscale Effect

Grayscale effect is used to convert the colors of the object to 256 shades of gray. The following parameter is used in this filter –

Parameter	Description
-----------	-------------

gray	Converts the colors of the object to 256 shades of gray.
------	--

Example

```
<html>
  <head>
  </head>
```

```

<body>
  <p>Image Example:</p>

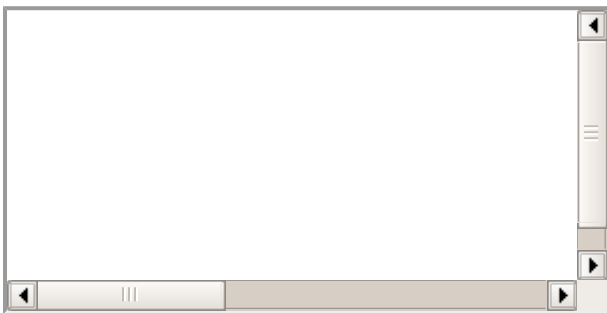
  <p>Text Example:</p>

  <div style="width: 357;
    height: 50;
    font-size: 30pt;
    font-family: Arial Black;
    color: red;
    Filter: Gray">CSS Tutorials</div>
</body>

</html>

```

It will produce the following result –



Invert Effect

Invert effect is used to map the colors of the object to their opposite values in the color spectrum, i.e., to create a negative image. The following parameter is used in this filter –

Parameter	Description
Invert	Maps the colors of the object to their opposite value in the color spectrum.

Example

```

<html>
  <head>
  </head>

  <body>
    <p>Image Example:</p>

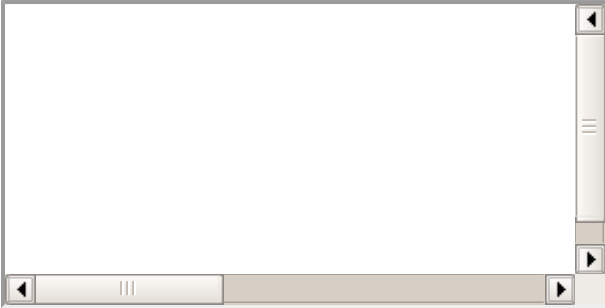
    <p>Text Example:</p>

    <div style="width: 357;
      height: 50;
      font-size: 30pt;
      font-family: Arial Black;
      color: red;
      Filter: invert">CSS Tutorials</div>
  </body>

```

```
</html>
```

It will produce the following result –



Mask Effect

Mask effect is used to turn transparent pixels to a specified color and makes opaque pixels transparent. The following parameter is used in this filter –

Parameter	Description
-----------	-------------

color	The color that the transparent areas will become.
-------	---

Example

```
<html>
<head>
</head>

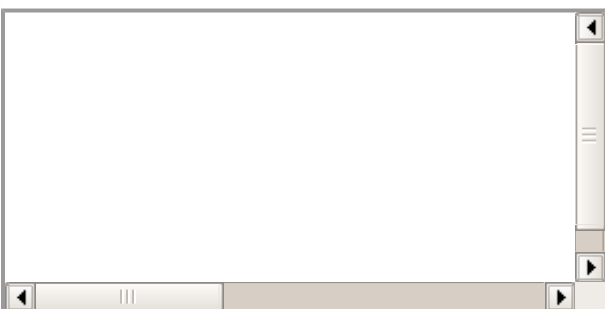
<body>
  <p>Image Example:</p>

  <p>Text Example:</p>

  <div style="width: 357;
    height: 50;
    font-size: 30pt;
    font-family: Arial Black;
    color: red;
    Filter: Mask(Color=#00FF00)">CSS Tutorials</div>
</body>
</html>
```

It will produce the following result –



Shadow Filter

Shadow filter is used to create an attenuated shadow in the direction and color specified. This is a filter that lies in between Dropshadow and Glow. The following parameters can be used in this filter

Parameter	Description
color	The color that you want the shadow to be.
direction	The direction of the blur, going clockwise, rounded to 45-degree increments. The default value is 270 <i>left</i>. 0 = Top 45 = Top right 90 = Right 135 = Bottom right 180 = Bottom 225 = Bottom left 270 = Left 315 = Top left

Example

```
<html>
  <head>
  </head>

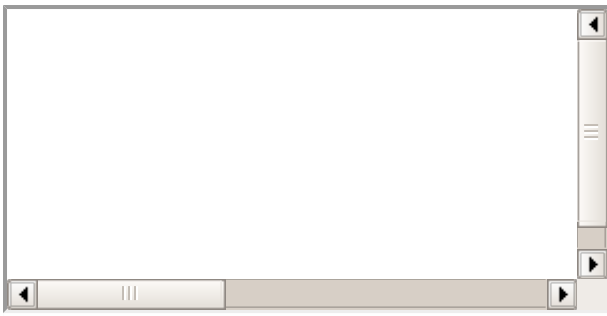
  <body>
    <p>Image Example:</p>

    <p>Text Example:</p>

    <div style="width: 357;
      height: 50;
      font-size: 30pt;
      font-family:
        Arial Black;
      color: red;
      Filter: Shadow(Color=#0000FF, Direction=225)">CSS Tutorials</div>
  </body>
</html>
```

It will produce the following result –



Wave Effect

Wave effect is used to give the object a sine wave distortion to make it look wavy. The following parameters can be used in this filter –

Parameter	Description
add	A value of 1 adds the original image to the waved image, 0 does not.
freq	The number of waves.
light	The strength of the light on the wave <i>from 0 to 100</i> .
phase	At what degree the sine wave should start <i>from 0 to 100</i> .
strength	The intensity of the wave effect.

Example

```
<html>
  <head>
  </head>

  <body>
    <p>Image Example:</p>

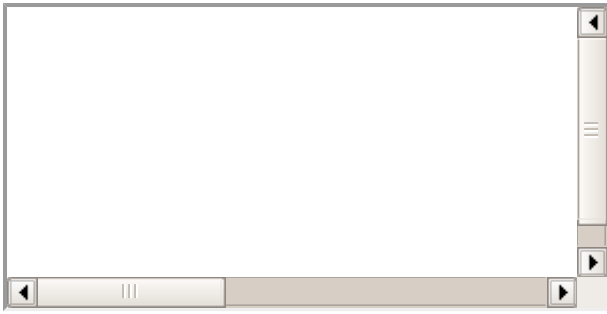
    

    <p>Text Example:</p>

    <div style="width: 357;
      height: 50;
      font-size: 30pt;
      font-family: Arial Black;
      color: red;
      Filter: Wave(Add=0, Freq=1, LightStrength=10, Phase=20, Strength=20)">CSS
Tutorials</div>
  </body>

</html>
```

It will produce the following result –



X-Ray Effect

X-Ray effect grayscales and flattens the color depth. The following parameter is used in this filter:

Parameter	Description
xray	Grayscales and flattens the color depth.

Example

```
<html>
  <head>
  </head>

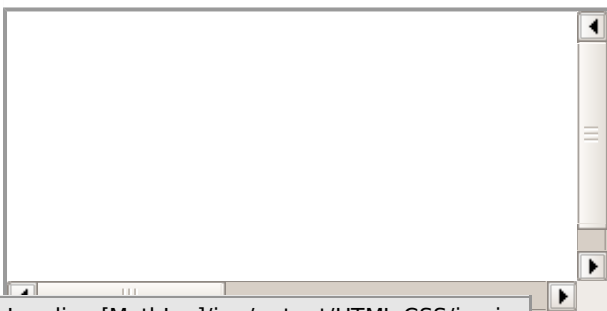
  <body>
    <p>Image Example:</p>

    <p>Text Example:</p>

    <div style="width: 357;
      height: 50;
      font-size: 30pt;
      font-family: Arial Black;
      color: red;
      style="Filter: Xray">CSS Tutorials</div>
  </body>
</html>
```

It will produce the following result –



Loading [MathJax]/jax/output/HTML-CSS/jax.js