

Background

Following are new background properties, which allow greater control of the background element.

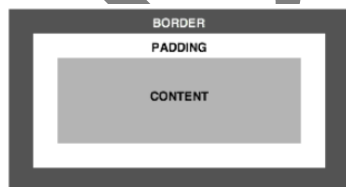
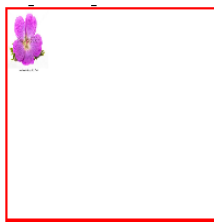
Properties:

1. background-size
2. background-clip
3. background-origin

Background-size Property:

The background-size property specifies the size of the background image. The background image size was determined by the actual size of the image. In CSS3 it is possible to specify the size of the background image,

```
<style type="text/css">
div {
    width: 100px;
    height: 100px;
    padding: 50px;
    border: 2px solid red;
    background: url(background.jpg);
    background-repeat: no-repeat;
}
</style>
<div style="background-size: 40px 60px;"></div>
```

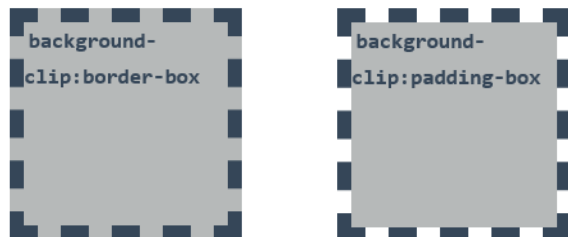


background-clip: content-box / padding-box / border-box

```
<div style="background-clip: padding-box;">
```

This is a box

```
</div>
```

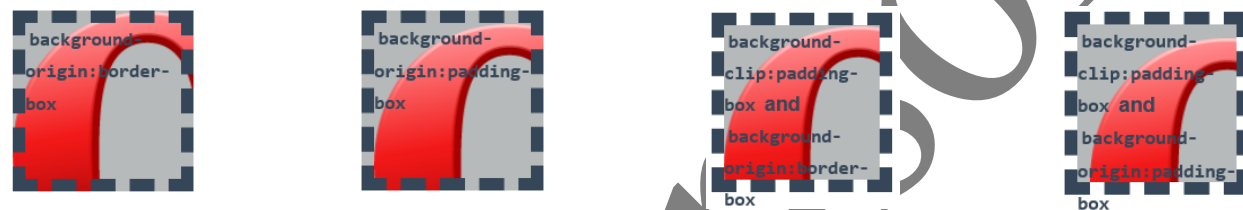


background-origin Property:

This property specifies the positioning area of the background images. The background image can be placed within the content-box, padding-box, or border-box area.

```
<div style="background-origin: content-box"></div>
```

```
<div style="background-origin: padding-box"></div>
```



Multiple Background Images:

This allows several background images for an element:

```
<div style="background: url(img_tree.png), url(BorderSpec.jpeg)">This is a box</div>
```

Note: The first image in the list is the layer closest to the user, the next one is painted behind the first, and so on.

Gradients

CSS3 defines two types of gradients:

- Linear Gradients (goes down/up/left/right/diagonally)
- Radial Gradients (defined by their center)

Linear Gradient

Syntax:

```
background: linear-gradient(direction, color-stop1, color-stop2, ...);
```

```
<div style="background:linear-gradient(red, blue, pink)">linear-  
gradient(red, blue, pink)</div>
```

Left to Right

```
<div style="background:linear-gradient(to right, red, blue)">linear-  
gradient(to right, red, blue)</div>
```

Diagonal

```
<div style="background:linear-gradient(to bottom right, red,  
blue)">linear-gradient(to bottom right, red, blue)</div>
```

Using Angles

```
<div style="background:linear-gradient(180deg, red, blue)">linear-  
gradient(180deg, red, blue)</div>
```

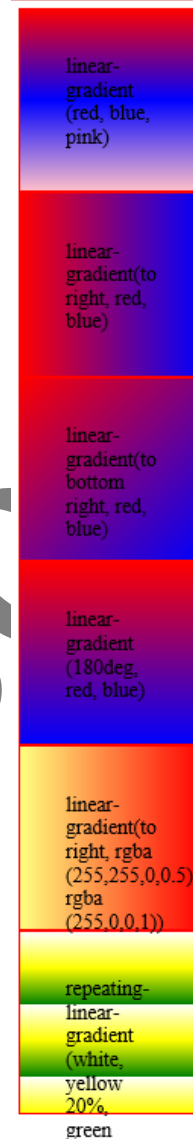
Using Transparency

```
<div style="background:linear-gradient(to right, rgba(255,255,0,0.5),  
rgba(255,0,0,1))">linear-gradient(to right, rgba(255,255,0,0.5),  
rgba(255,0,0,1))</div>
```

```
<div style="background: linear-gradient(red, green, blue);">Using  
Multiple Color Stops</div>
```

Repeating a linear-gradient

```
<div style="background:repeating-linear-gradient(white, yellow 20%,  
green 40%)">repeating-linear-gradient(white, yellow 20%, green  
40%)</div>
```



Radial Gradient

Syntax:

```
background: radial-gradient(center, shape size, start-color, ..., last-color);
```

```
<div style="background: radial-gradient(red, yellow, blue)"></div>
```

Radial Gradient - Differently Spaced Color Stops

```
<div style="background: radial-gradient(red 20%, yellow 40%, blue 80%)"></div>
```

Set Shape – Circle or Ellipse

```
<div style="background: radial-gradient(circle, red, yellow, blue)"></div>
```

Repeating a radial-gradient

```
<div style="background: repeating-radial-gradient(red, yellow 20%, green 40%);"></div>
```

