

# CSS Background Property

## Background:

```
body {  
    background: lightblue url(" ") no-repeat fixed center;  
}
```

## Background-color:

```
body {  
    background-color: coral;  
}
```

## Background-clip: (border-box, content-box, padding-box)

```
div {  
    border: 10px dotted black;  
    padding: 15px;  
    background: lightblue;  
    background-clip: padding-box;  
}
```

## Background-attachment, Background-image, Background-repeat:

```
body{  
    background-image: url("img_tree.gif");  
    background-repeat: no-repeat;  
    background-attachment: fixed;  
}
```

## Background-origin: (border-box, content-box, padding-box)

```
#example1 {  
    border: 10px double black;  
    padding: 25px;  
    background: url(paper.gif);  
    background-repeat: no-repeat;  
    background-origin: content-box;  
}
```

## Background-position: (center, right, bottom, center right, 50%, 60% 80%)

```
body {  
    background-image: url('w3css.gif');  
    background-repeat: no-repeat;  
    background-attachment: fixed;  
    background-position: center;  
}
```

## Background-repeat:

```
body {  
    background-image: url("paper.gif");  
    background-repeat: repeat-y;  
}
```

## Background-size:

```
#example1 {  
    background: url(mountain.jpg);  
    background-repeat: no-repeat;  
    background-size: auto;  
}
```

```
#example2 {  
    background: url(mountain.jpg);  
    background-repeat: no-repeat;  
    background-size: 300px 100px;  
}
```

# CSS Font Property

## Font:

```
#div1 {  
  font: 15px arial, sans-serif;  
}  
  
#div2 {  
  font: italic bold 12px/30px Georgia, serif;  
}
```

## Font-family:

```
p.a {  
  font-family: "Times New Roman", Times, serif;  
}  
  
p.b {  
  font-family: Arial, Helvetica, sans-serif;  
}
```

## Font-size:

```
#div1 {  
  font-size: 15px;  
}  
  
#div2 {  
  font-size: large;  
}  
  
#div3 {  
  font-size: 150%;  
}
```

## Font-size-adjust:

```
#div1 {  
  font-size-adjust: 0.58;  
}
```

## Font-style:

```
#p1 {  
  font-style: normal;  
}
```

```
#p2 {  
  font-style: italic;  
}
```

```
#p3 {  
  font-style: oblique;  
}
```

## Font-variant:

```
#p1{  
  font-variant: small-caps;  
}
```

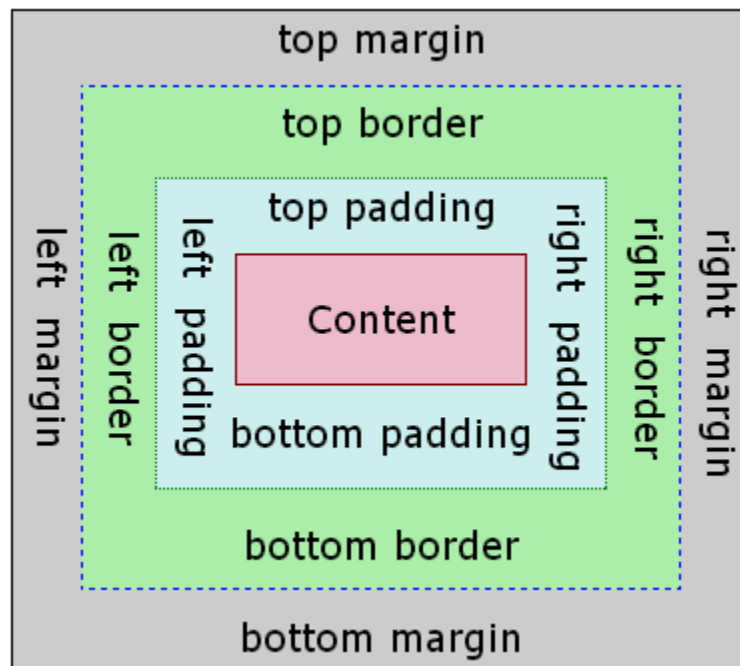
## Font-weight:

```
#p1 {  
  font-weight: normal;  
}
```

```
#p2 {  
  font-weight: bold;  
}
```

```
#p3 {  
  font-weight: 900;  
}
```

# CSS Box-Model Properties



Box-Model

## CSS Padding Property

### Padding:

- `padding:10px 5px 15px 20px;`
  - top padding is 10px
  - right padding is 5px
  - bottom padding is 15px
  - left padding is 20px
- `padding:10px 5px 15px;`
  - top padding is 10px
  - right and left padding are 5px
  - bottom padding is 15px

- `padding:10px 5px;`
  - top and bottom padding are 10px
  - right and left padding are 5px
- `padding:10px;`
  - all four paddings are 10px

## Padding-bottom:

```
p {  
  padding-bottom: 2cm;  
}
```

## Padding-left:

```
p {  
  padding-left: 2cm;  
}
```

## Padding-right:

```
p {  
  padding-right: 2cm;  
}
```

## Padding-top:

```
p {  
  padding-top: 2cm;  
}
```

# CSS Border Property

## Border:

```
h1 {  
  border: 5px solid red;  
}  
  
h2 {  
  border: 4px dotted blue;  
}  
  
div {  
  border: double;  
}
```

## Border-collapse:

```
#table1 {  
  border-collapse: separate;  
}  
  
#table2 {  
  border-collapse: collapse;  
}
```

## Border-color: (Border-bottom-color, border-left-color, border-right-color, border-top-color)

```
div {border-color: coral;}
```

## Border-image:

```
#borderimg {  
  border-image: url(border.png) 30 round;  
}
```

## Border-spacing:

```
#table1 {  
  border-collapse: separate;  
  border-spacing: 15px;  
}
```

```
#table2 {  
  border-collapse: separate;  
  border-spacing: 15px 50px;  
}
```

## Border-style: (Border-bottom-style, border-left-style, border-right-style, border-top-style)

```
p.dotted {border-style: dotted;}  
p.dashed {border-style: dashed;}  
p.solid {border-style: solid;}  
p.double {border-style: double;}  
p.groove {border-style: groove;}  
p.ridge {border-style: ridge;}  
p.inset {border-style: inset;}  
p.outset {border-style: outset;}  
p.none {border-style: none;}  
p.hidden {border-style: hidden;}  
p.mix {border-style: dotted dashed solid double;}
```

## Border-width: (Border-bottom-width, border-left-width, border-right-width, border-top-width)

```
div {border-width: thin;}
```

## Border-bottom, border-left, border-right, border-top:

```
h1 {  
  border-bottom: 5px solid red;  
}  
  
h2 {  
  border-bottom: 4px dotted blue;
```



```
}  
  
div {  
  border-bottom: double;  
}
```

## **Border-bottom-color, Border-left-color, Border-right-color, Border-top-color:**

```
div {  
  
  border-bottom-color: coral;  
  
}
```

## **Border-bottom-left-radius, Border-left-left-radius, Border-right-left-radius, Border-top-left-radius:**

```
#example1 {  
  border: 2px solid red;  
  border-bottom-left-radius: 25px;  
}  
  
#example2 {  
  border: 2px solid red;  
  border-bottom-left-radius: 50px 20px;  
}
```

## **Border-bottom-right-radius, Border-left-right-radius, Border-right-right-radius, Border-top-right-radius:**

```
#example1 {  
  border: 2px solid red;  
  border-bottom-right-radius: 25px;  
}  
  
#example2 {  
  border: 2px solid red;  
  border-bottom-right-radius: 50px 20px;  
}
```

# CSS Margin Property

This property can have from one to four values.

**If the margin property has four values:**

- **margin:** 10px 5px 15px 20px;
  - top margin is 10px
  - right margin is 5px
  - bottom margin is 15px
  - left margin is 20px

**If the margin property has three values:**

- **margin:** 10px 5px 15px;
  - top margin is 10px
  - right and left margins are 5px
  - bottom margin is 15px

**If the margin property has two values:**

- **margin:** 10px 5px;
  - top and bottom margins are 10px
  - right and left margins are 5px

**If the margin property has one value:**

- **margin:** 10px;
  - all four margins are 10px

**Note:** Negative values are allowed.

## Margin-bottom:

```
p.ex1 {  
  margin-bottom: 25px;  
}
```

## Margin-top:

```
p.ex1 {  
  margin-bottom: 25px;  
}
```

## Margin-right:

```
p.ex1 {  
  margin-bottom: 25px;  
}
```

## Margin-left:

```
p.ex1 {  
  margin-bottom: 25px;  
}
```

# CSS Text Properties

## Text-align:

```
h1 {  
  text-align: center;  
}
```

```
h2 {  
  text-align: left;  
}
```

```
h3 {  
  text-align: right;  
}
```

## Text-decoration:

```
h1 {  
  text-decoration: overline;  
}  
h2 {  
  text-decoration: line-through;  
}  
h3 {  
  text-decoration: underline;  
}
```

## Text-decoration-color:

```
p {  
  text-decoration: underline;  
  text-decoration-color: red;  
}
```

## Text-decoration-style:

```
p {  
  text-decoration-style: wavy;  
  text-decoration: underline;  
}
```

## Text-indent:

```
p {  
  text-indent: 50px;  
}
```

## Text-overflow:

```
#div1 {  
  
  white-space: nowrap;  
  
  width: 12em;  
  
  overflow: hidden;  
  
  text-overflow: clip;  
  
  border: 1px solid #000000;  
  
}
```

```
#div2 {  
  
  white-space: nowrap;  
  
  width: 12em;  
  
  overflow: hidden;  
  
  text-overflow: ellipsis;  
}
```

```
border: 1px solid #000000;  
  
}
```

## Text-shadow:

```
h1 {  
  text-shadow: 2px 2px #ff0000;  
}
```

## Text-transform:

```
p.uppercase {  
  text-transform: uppercase;  
}
```

```
p.lowercase {  
  text-transform: lowercase;  
}
```

```
p.capitalize {  
  text-transform: capitalize;  
}
```

## Word-break:

```
p.test {  
  word-break: break-all;  
}
```

## Word-spacing:

```
p {  
  word-spacing: 30px;  
}
```

## White-space:

```
p {  
  white-space: nowrap;  
}
```

# Other CSS Properties

## Height, Width:

```
p.ex {  
  height: 100px;  
  width: 100px;  
}
```

## Min-height:

```
p.ex1 {  
  min-height: 200px;  
}
```

## Min-Width:

```
span.ex1 {  
  min-width: 500px;  
}
```

## Max-Height:

```
p.ex1 {  
  max-height: 50px;  
}
```

## Max-Width:

```
p.ex1 {  
  max-width: 150px;  
}
```

## Visibility:

```
h2 {  
  visibility: hidden;  
}
```

## Vertical-align:

```
img {  
  vertical-align: text-top;  
}
```

## Position(absolute,relative,static,fixed)

```
h2 {  
  position: absolute;  
  left: 100px;  
  top: 150px;  
}
```

### Top:

```
div.absolute {  
  position: absolute;  
  top: 80px;  
  width: 200px;  
  height: 100px;  
  border: 3px solid #8AC007;  
}
```

### Right:

```
div.absolute {  
  position: absolute;  
  right: 20px;  
  width: 200px;  
  height: 120px;  
  border: 3px solid #8AC007;  
}
```

### Overflow:

```
div.ex1 {  
  overflow: scroll;  
}
```

```
div.ex2 {  
  overflow: hidden;  
}
```

```
div.ex3 {  
  overflow: auto;  
}
```

```
div.ex4 {  
  overflow: visible;  
}
```

## Opacity:

```
div {  
  opacity: 0.5;  
}
```

## Order:

```
<html>  
<head>  
<style>  
#main {  
  width: 400px;  
  height: 150px;  
  border: 1px solid #c3c3c3;  
  display: -webkit-flex; /* Safari */  
  display: flex;  
}  
  
#main div {  
  width: 70px;  
  height: 70px;  
}  
  
/* Safari 6.1+ */  
div#myRedDIV    {-webkit-order: 2;}  
div#myBlueDIV   {-webkit-order: 4;}  
div#myGreenDIV  {-webkit-order: 3;}  
div#myPinkDIV   {-webkit-order: 1;}  
  
/* Standard syntax */  
div#myRedDIV    {order: 2;}  
div#myBlueDIV   {order: 4;}  
div#myGreenDIV  {order: 3;}  
div#myPinkDIV   {order: 1;}  
</style>  
</head>  
<body>  
<h1>The order Property</h1>  
  
<div id="main">  
  <div style="background-color:coral;" id="myRedDIV"></div>  
  <div style="background-color:lightblue;" id="myBlueDIV"></div>  
  <div style="background-color:lightgreen;" id="myGreenDIV"></div>  
  <div style="background-color:pink;" id="myPinkDIV"></div>  
</div>  
  
<p><b>Note:</b> Internet Explorer 10 and earlier versions do not support the  
order property.</p>  
  
<p><b>Note:</b> Safari 6.1 (and newer) supports an alternative, the -webkit-  
order property.</p>  
  
</body>  
</html>
```



## Outline:

```
h2 {  
  outline: 5px dotted green;  
}
```

```
div.a {  
  outline: 2px dashed blue;  
}
```

## @media:

```
@media screen {  
  body {  
    color: green;  
  }  
}
```

```
@media print {  
  body {  
    color: black;  
  }  
}
```

## Display:

```
p.ex1 {display: none;}  
p.ex2 {display: inline;}  
p.ex3 {display: block;}  
p.ex4 {display: inline-block;}
```

## Box-shadow:

```
#example1 {  
  box-shadow: 5px 10px;  
}
```

```
#example2 {  
  box-shadow: 5px 10px #888888;  
}
```

# CSS Animation Properties

## Animation:

```
<style>
div {
  width: 100px;
  height: 100px;
  background: red;
  position: relative;
  animation: mymove 5s infinite;
}
@keyframes mymove {
  from {left: 0px;}
  to {left: 200px;}
}
</style>
```

## Animation-delay:

```
div {
  animation-delay: 2s;
}
```

## Animation-direction:

```
<!DOCTYPE html>

<html>

<head>

<style>

div {

    width: 100px;

    height: 100px;

    background: red;

    position: relative;

    animation: myfirst 5s 2;

    animation-direction: alternate;

}

@keyframes myfirst {

    0% {background: red; left: 0px; top: 0px;}

    25% {background: yellow; left: 200px; top: 0px;}

    50% {background: blue; left: 200px; top: 200px;}

    75% {background: green; left: 0px; top: 200px;}

    100% {background: red; left: 0px; top: 0px;}

}

</style>

</head>

<body>

<h1>The animation-direction Property</h1>

<p>Play the animation forwards first, then backwards:</p>

<div></div>

</body>

</html>
```

## Animation-duration:

```
<!DOCTYPE html>

<html>

<head>

<style>

div {

    width: 100px;

    height: 100px;

    background: red;

    position: relative;

    animation: mymove infinite;

    animation-duration: 3s;

}

@keyframes mymove {

    from {top: 0px;}

    to {top: 200px;}

}

</style>

</head>

<body>

<h1>The animation-duration Property</h1>

<p>Specify that the animation should complete one cycle in 3 seconds:</p>

<div></div>

</body>

</html>
```

## Animation-fill-mode:

```
<!DOCTYPE html>

<html>

<head>

<style>

div {

    width: 100px;

    height: 100px;

    background: red;

    position: relative;

    animation: mymove 3s;

    animation-fill-mode: forwards;

}

@keyframes mymove {

    from {top: 0px;}

    to {top: 200px; background-color: blue;}

}

</style>

</head>

<body>

<h1>The animation-fill-mode Property</h1>

<p>Let the div element retain the style values from the last keyframe when the animation ends:</p>

<div></div>

</body>

</html>
```

## Animation-iteration-count:

```
<!DOCTYPE html>

<html>

<head>

<style>

div {

    width: 100px;

    height: 100px;

    background: red;

    position: relative;

    animation: mymove 3s;

    animation-iteration-count: 2;

}

@keyframes mymove {

    from {top: 0px;}

    to {top: 200px;}

}

</style>

</head>

<body>

<h1>The animation-iteration-count Property</h1>

<p>Play the animation two times:</p>

<div></div>

</body>

</html>
```

## Transform:

```
div {  
  transform: rotate(7deg);  
}
```

## Transform-origin:

```
<!DOCTYPE html>  
  
<html>  
  
<head>  
  
<style>  
  
#div1 {  
  position: relative;  
  height: 200px;  
  width: 200px;  
  margin: 100px;  
  padding: 10px;  
  border: 1px solid black;  
}  
  
#div2 {  
  padding: 50px;  
  position: absolute;  
  border: 1px solid black;  
  background-color: red;  
  transform: rotate(45deg);  
  transform-origin: 20% 40%;  
}  
  
</style>  
  
</head>  
  
<body>
```

```
<div id="div1">  
  <div id="div2">HELLO</div>  
</div>  
</body>  
</html>
```

## **Transition:**

```
<!DOCTYPE html>  
<html>  
<head>  
<style>  
div {  
  width: 100px;  
  height: 100px;  
  background: red;  
  transition: width 2s;  
}  
div:hover {  
  width: 300px;  
}  
</style>  
</head>  
<body>  
<div></div>  
  
<p>Hover over the div element above, to see the transition effect.</p>  
</body>  
</html>
```



## Transition-delay:

```
div {  
  transition-delay: 2s;  
}
```

## Transition-duration:

```
div {  
  transition-duration: 5s;  
}
```

## Transition-property:

```
div {  
  transition-property: width;  
}
```

```
div:hover {  
  width: 300px;  
}
```