

Lesson No. 10 : Border Properties

CSS border, allows you to completely customize the borders that appear around HTML element. With HTML, it used to be impossible to place a border around an element, except for the table. CSS borders let you create crisp, customize border styles with very little work, compared to the antiquated methods of HTML.

The border properties allow you to specify how to border of the box representing an element should look. Following are properties that you can change:

Properties	Syntax	Explanation
Color	<i>Border-color</i> : color name	Specifies the color of a border.
Style	<i>Border-style</i> : style type or style name	Specifies whether a border should be solid, dashed line, double line, or one of the other possible values
Width	<i>Border-width</i> : pixel or px	Specifies the width of a border.
Border	<i>Border-width</i> : style, color	A shorthand property that allows you to specify color, style, and width of lines in one property

Border Color

The *border-color* property allows you to change the color of the border surrounding an element. You can individually change the color of the *bottom*, *left*, *top* and *right* sides of an element's border using the properties:

Properties	Syntax	Explanation
Border-bottom-color	<i>Border-bottom-color</i> : <i>value</i>	Changes the color of bottom border.
Border-top-color	<i>Border-top-color</i> : <i>value</i>	Changes the color of top border.
Border-left-color	<i>Border-left-color</i> : <i>value</i>	Changes the color of left border.
Border-right-color	<i>Border-right-color</i> : <i>value</i>	Changes the color of right border.

Syntax:

Border-color : *value* ;

The value in the above syntax can be given in any one of the following formats :

Value

Example

- | | | |
|------|--------------------|------------------------------------|
| i. | Color name | border-color: rgb (100, 100, 255); |
| ii. | Hexadecimal number | border-color: #FFBD32; |
| iii. | RGB color code | border-color: blue; |

Border Style

You can set the style of a border independently with the *border-style* property. You can individually change the style of the *bottom*, *left*, *top* and *right* sides of an element's border using the properties shown in the following table.

Properties	Syntax	Explanation
Border-bottom-style	Border-bottom-style : <i>style</i>	Changes the style of bottom border.
Border-top-style	Border-top-style : <i>style</i>	Changes the style of top border.
Border-left-style	Border-left-style : <i>style</i>	Changes the style of left border.
Border-right-style	Border-right-style : <i>style</i>	Changes the style of right border

Syntax :

Border-style : *value* ;

The value in the above syntax can be given in any one of the following formats :

Value	Explanation
<i>Dashed</i>	A series of short lines.
<i>Dotted</i>	A series of dots.
<i>Double</i>	Two solid lines.
<i>Groove</i>	Looks as though it is carved into the page.
<i>Solid</i>	A single solid line.

Border Width

You can set the width of a border independently with the *border-width* property. You can individually change the width of the *bottom*, *left*, *top* and *right* sides of an element's border using the properties:

Properties	Syntax	Explanation
Border-bottom-width	Border-bottom-width : <i>pixels</i>	Changes the width of bottom border.
Border-top-width	Border-top- width : <i>pixels</i>	Changes the width of top border.

Border-left- width	Border-left- width : <i>pixels</i>	Changes the width of left border.
Border-right- width	Border-right- width : <i>pixels</i>	Changes the width of right border

Syntax

Border-width: *value*;

Exercise No. 8

1. Open a Notepad file and save it with ***border.html*** name.
2. Type the code as shown in the figure given below.
3. Close the Notepad window and open this file in your browser. It must appear as shown below:

```

<html>
  <head>
    <style type="text/css">
      p.solid { border-bottom-color: green;
                border-top-color:red;
                border-left-color:yellow;
                border-right-color:blue;
                border-style:solid;
                border-width:2px;
              }
      p.double { border-bottom-width: 1px;
                 border-top-width:1px;
                 border-left-width:2px;
                 border-right-width:2px;
                 border-style:double;
                 border-color:red;
              }
      p.groove { border:2px groove blue;}
      p.dotted { border-bottom-style: dotted;
                 border-top-style:solid;
                 border-left-style:groove;
                 border-right-style:double;
                 border-width:2px;
                 border-color:red; }
      p.dashed {border-style: dashed; }
    </style>
  </head>
  <body>
    <p class="solid">This is border color property</p>
    <p class="double">This is border width property</p>
    <p class="groove">This is border shorthand property</p>
    <p class="dotted">This is border style property</p>
    <p class="dashed">This is dashed border property</p>
  </body>
</html>
  
```

Results Output

