

Course Name: **O Level (1st Sem)**
Topic: **W3.CSS – Border (Part 4)**

Subject **Web Designing & Publishing (WDP)**
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W3.CSS – Border

W3.CSS provides various numbers of classes for defining border of HTML elements. These are:

w3-border

The **w3-border** class is used to define border at all side to HTML element.

w3-border-top

The **w3-border-top** class is used to define **border at top side** to HTML element.

w3-border-bottom

The **w3-border-bottom** class is used to define border at bottom side to HTML element.

w3-border-left

The **w3-border-left** class is used to define border at left side to HTML element.

w3-border-right

The **w3-border-right** class is used to define border at right side to HTML element.

w3-border-0

The **w3-border-0** class is used to remove all borders to HTML element.

Code: Setting Border

```
<html>
  <head>
    <meta name="viewport" content="width=device-
    width, initial-scale=1">
    <link rel="stylesheet"
    href="https://www.w3schools.com/w3css/4/w3.css">
  </head>
  <body>
    <div class="w3-container">

      <h1 class="w3-panel w3-border">
        I have border at all side.</h1> <br>

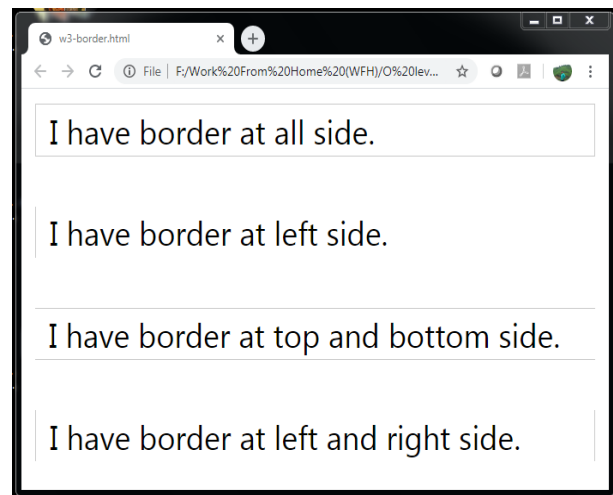
      <h1 class="w3-panel w3-border-left">
        I have border at left side. </h1> <br>

      <h1 class="w3-panel w3-border-top w3-border-
      bottom">
        I have border at top and bottom side. </h1> <br>

      <h1 class="w3-panel w3-border-left w3-border-right">
        I have border at left and right side. </h1>

    </div>
  </body>
</html>
```

Output:



✚ Setting Color of the border

Following two classes are for setting color of the border:

w3-border-color

The **w3-border-color** class is used to define color of the border to HTML element. Color needs to be specified like **w3-border-khaki**, **w3-border-yellow** etc.

w3-hover-border-color

The **w3-hover-border-color** class is used to define color of the border when mouse is moved over the HTML element. Color needs to be specified like **w3-hover-border-red**, **w3-hover-border-aqua** etc.

Code: Setting Color of the Border

```
<html>
<head>
<meta name="viewport" content="width=device-
width, initial-scale=1">
<link rel="stylesheet"
href="https://www.w3schools.com/w3css/4/w3.css">
</head>
<body>
<div class="w3-container">

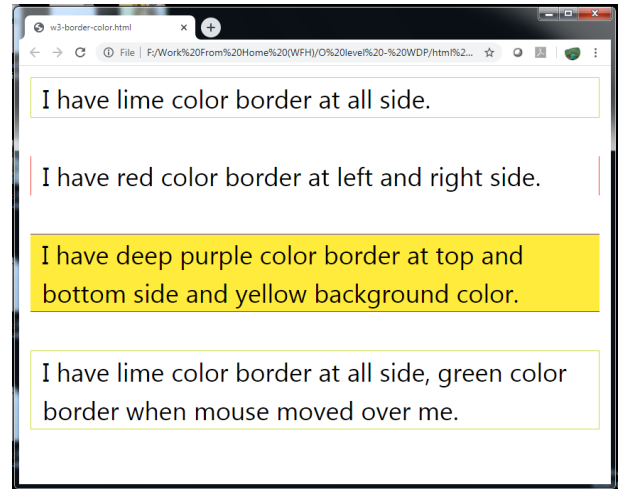
<h1 class="w3-panel w3-border w3-border-lime">
I have lime color border at all side.</h1> <br>

<h1 class="w3-panel w3-border-left w3-border-right
w3-border-red">
I have red color border at left and right side. </h1> <br>

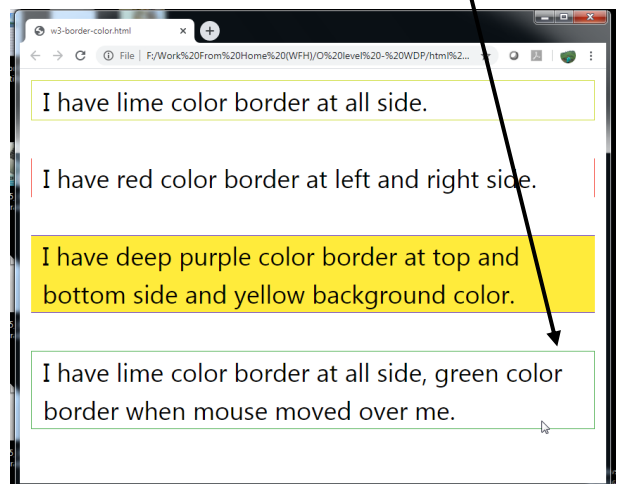
<h1 class="w3-panel w3-border-top w3-border-bottom
w3-yellow w3-border-deep-purple">
I have deep purple color border at top and bottom side
and yellow background color. </h1> <br>

<h1 class="w3-panel w3-border w3-border-lime w3-
hover-border-green">
I have lime color border at all side, green color border
when mouse moved over me.</h1> <br>
</div>
</body>
</html>
```

Output:



When mouse is moved over, border color is changed into green.



✚ Setting thick border

Following classes are for setting thick border:

w3-topbar

The **w3-topbar** class is used to define thick border at top side to HTML element.

w3-bottombar

The **w3-bottombar** class is used to define thick border at bottom side to HTML element.

w3-leftbar

The **w3-leftbar** class is used to define thick border at left side to HTML element.

w3-rightbar

The **w3-rightbar** class is used to define thick border at right side to HTML element.

Code: Setting Thick Border

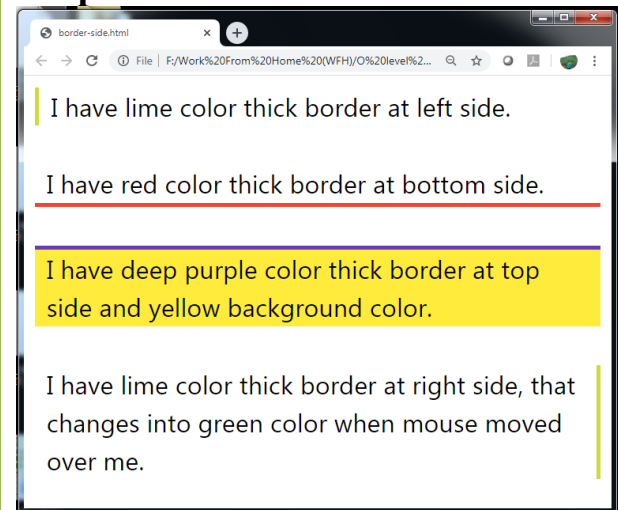
```
<html>
  <head>
    <meta name="viewport" content="width=device-
width, initial-scale=1">
    <link rel="stylesheet"
href="https://www.w3schools.com/w3css/4/w3.css">
  </head>
  <body>
    <div class="w3-container">

      <h1 class="w3-panel w3-leftbar w3-border-lime">
I have lime color thick border at left side.</h1> <br>

      <h1 class="w3-panel w3-bottombar w3-border-red">
I have red color thick border at bottom side. </h1> <br>

      <h1 class="w3-panel w3-topbar w3-yellow w3-border-
deep-purple">
I have deep purple color thick border at top side and
```

Output:



yellow background color. </h1>


```
<h1 class="w3-panel w3-rightbar w3-border-lime w3-hover-border-green">
```

I have lime color thick border at right side, that changes into green color when mouse moved over me.</h1>

```
<br>
```

```
</div>
```

```
</body>
```

```
</html>
```

Setting Rounded border

Following classes are used for setting rounded border:

w3-round

The **w3-round** class is used to define rounded border to HTML element.

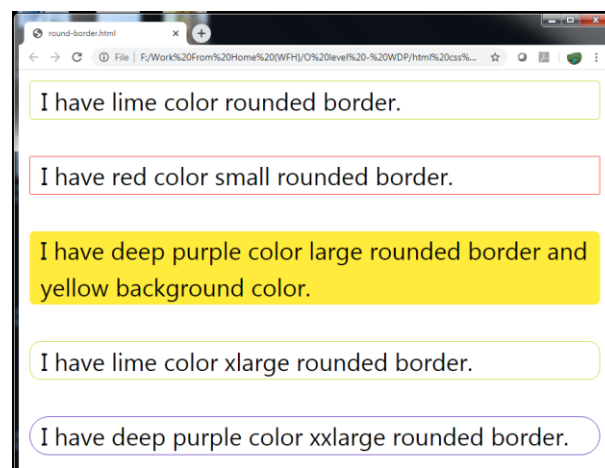
w3-round-size

The **w3-round-size** class is used to define rounded border by specifying size. The size can be small, medium, large, xlarge, xxlarge.

Code:

```
<html>
  <head>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet"
      href="https://www.w3schools.com/w3css/4/w3.css">
  </head>
  <body>
    <div class="w3-container">
      <h1 class="w3-panel w3-border w3-border-lime w3-round">
        I have lime color rounded border.</h1> <br>
      <h1 class="w3-panel w3-border w3-round-small w3-border-red">
        I have red color small rounded border. </h1> <br>
```

Output:



```
<h1 class="w3-panel w3-round-large w3-yellow w3-  
border-deep-purple">
```

I have deep purple color large rounded border and
yellow background color. </h1>


```
<h1 class="w3-panel w3-border w3-round-xlarge w3-  
border-lime">
```

I have lime color xlarge rounded border.</h1>


```
<h1 class="w3-panel w3-border w3-round-xxlarge w3-  
border-deep-purple">
```

I have deep purple color xxlarge rounded border. </h1>

```
</div>
```

```
</body>
```

```
</html>
```

Exercise:

1) Create a webpage that has 4 paragraphs and style the paragraph using w3css classes as following:

- First paragraph must have left thick green color border.
- Second paragraph must have red color border at all side, and on mouse hover changes the border color to green.
- Third paragraph must have thick bottom khaki color border and background color as aqua.
- Fourth paragraph must have rounded border.

