



CSS Border

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Your Notes

CSS Border



A screenshot of a presentation slide. The slide has a teal header with the 'skill academy' logo. The main content area has a light teal background. On the left, the title 'CSS Border' is displayed in large, bold, black font. Below the title, the text 'By Yash Sharma' is in a smaller, regular black font. On the right side, there is a diagram showing various CSS border styles. It consists of a grid of colored boxes. The top row contains 'none', 'groove', 'ridge', and 'inset'. The second row contains 'dotted', 'dashed', 'solid', and 'outset'. The bottom row contains 'double'. Each style is accompanied by a small visual representation of its border type.

CSS Border

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The CSS border property allows to specify the border features of the element like:

- Border-style (dotted, dashed, solid...)
- Border-width (thick, medium...)
- Border-color (color of the border)
- Border-radius (to change the shape of the border and make them appear rounded)



`border-style : solid`

```

css > style.css > p
1 h1{
2   color: blue;
3 }
4
5
6
7 p{
8   border-style: none; /* default property */
9   border-style: solid;
10 }
11
12
  
```

`border-style : dotted`

```

css > style.css > p
1 h1{
2   color: blue;
3 }
4
5
6
7 p{
8   border-style: none; /* default property */
9   border-style: solid;
10  border-style: dotted;
11  border-style: dashed;
12  }
  
```

`border-style:dashed`

The screenshot shows a browser window titled "CSS BORDERS" displaying the text "Yayy We are learning Css Borders". Below the browser is a code editor window titled "style.css" with the following CSS code:

```

h1{
    color: blue;
}

p{
    border-style: none; /* default property */
    border-style: solid;
    border-style: dotted;
    border-style: dashed;
}

```

`border-style : double`

The screenshot shows a browser window titled "CSS BORDERS" displaying the text "Yayy We are learning Css Borders". Below the browser is a code editor window titled "style.css" with the following CSS code:

```

h1{
    color: blue;
}

p{
    border-style: none; /* default property */
    border-style: solid;
    border-style: dotted;
    border-style: dashed;
    border-style: double;
}

```

shorthand for border-style using four values

The screenshot shows a browser window titled "CSS BORDERS" displaying the text "Yayy We are learning Css Borders". Below the browser is a code editor window titled "style.css" with the following CSS code:

```

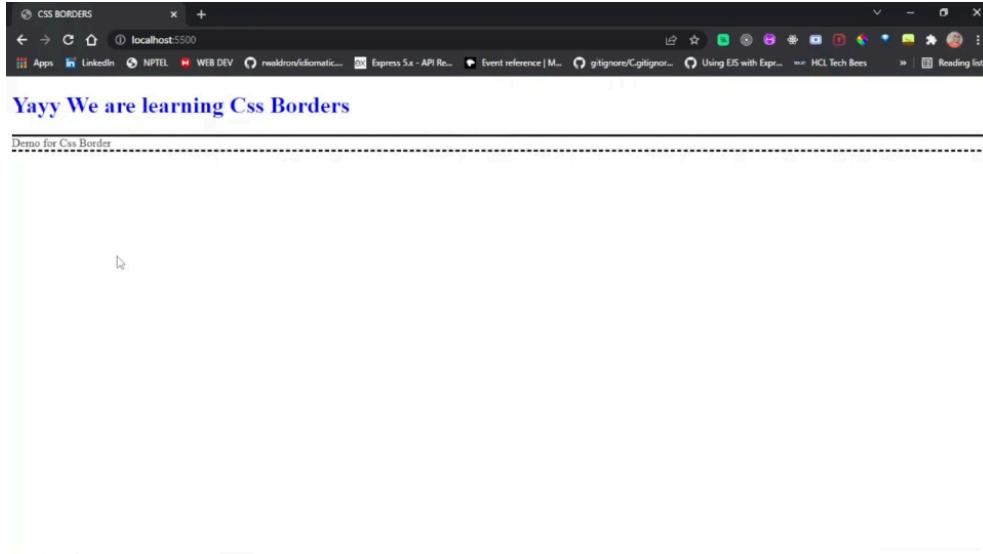
h1{
    color: blue;
}

p{
    /* border-style: none; */ /* default property */
    border-style: solid;
    /* border-style: dotted; */
    /* border-style: dashed; */
    border-style: double;

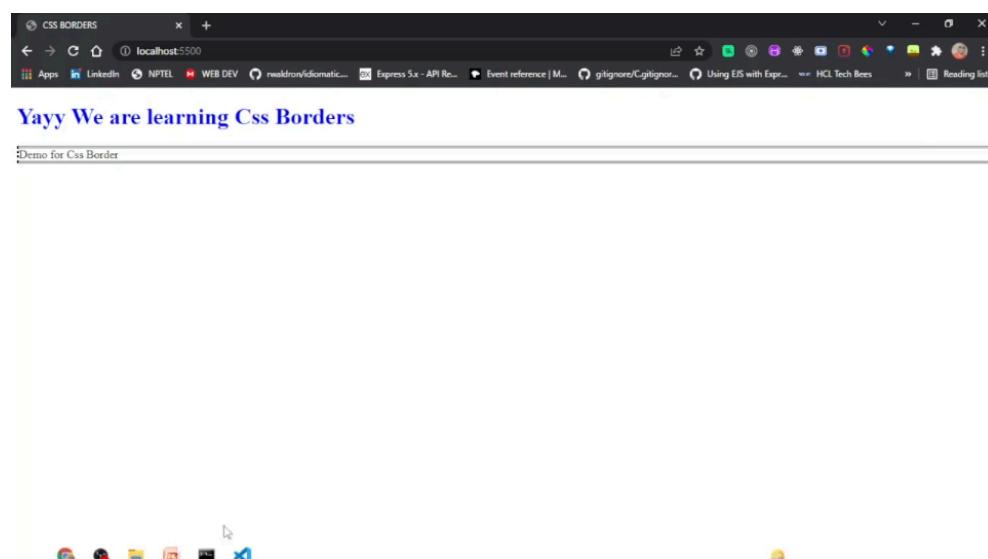
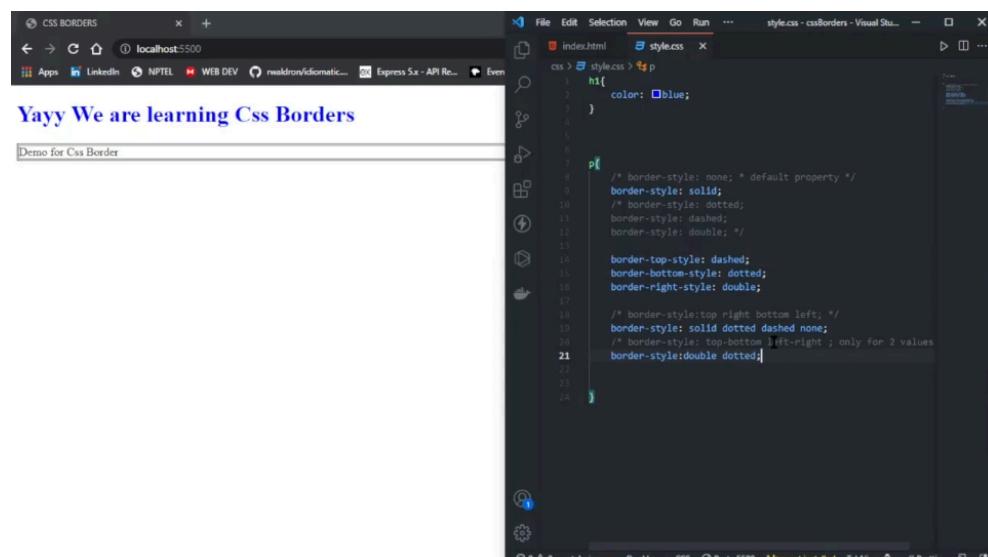
    border-top-style: dashed;
    border-bottom-style: dotted;
    border-right-style: double;

    /* border-style:top right bottom left; */
    border-style: solid dotted dashed none;
}

```



Shorthand for border-style by using two values



BORDER WIDTH

`border-width : thick;`

The screenshot shows a browser window with the URL `localhost:5500` displaying the text "Yayy We are learning Css Borders". Below the browser is a code editor window titled "style.css - Visual Studio Code". The code editor displays the following CSS:

```

h1{
  color: blue;
}

p {
  /* border-style: none; * default property */
  border-style: solid;
  /* border-style: dotted;
  border-style: dashed;
  border-style: double; */

  border-top-style: dashed;
  border-bottom-style: dotted;
  border-right-style: double;

  /* border-style:top right bottom left; */
  border-style: solid dotted dashed none;
  /* border-style: top-bottom-left-right ; only for 2 values
  border-style:double dotted;

  /* BORDER WIDTH */
  /* thick, medium, thin */
  border-width:thick;
}

```

The screenshot shows a browser window with the URL `localhost:5500` displaying the text "Yayy We are learning Css Borders". Below the browser is a code editor window titled "style.css 2 - Visual Studio Code". The code editor displays the following CSS:

```

h1{
  color: blue;
}

p {
  /* border-style: none; * default property */
  border-style: solid;
  /* border-style: dotted;
  border-style: dashed;
  border-style: double; */

  border-top: border-width;
  border-bottom: border-top-width;
  border-right: border-left-width;
  border-left: border-right-width;

  /* border-style: Shorthand that sets the four 'border-*'-width properties. If it has
  four values, they set top, right, bottom and left in that order. If
  left is missing, it is the same as right; if bottom is missing, it is
  the same as top; if right is missing, it is the same as top.

  /* border-style: Syntax <line-width>(1:4)
  /* thick, medium, thin */
  border-width: MDN Reference
  border-width: thick;
}

```

`border-width : medium;`

The screenshot shows a browser window with the URL `localhost:5500` displaying the text "Yayy We are learning Css Borders". Below the browser is a code editor window titled "style.css - Visual Studio Code". The code editor displays the following CSS:

```

h1{
  color: blue;
}

p {
  /* border-style: none; * default property */
  border-style: solid;
  /* border-style: dotted;
  border-style: dashed;
  border-style: double; */

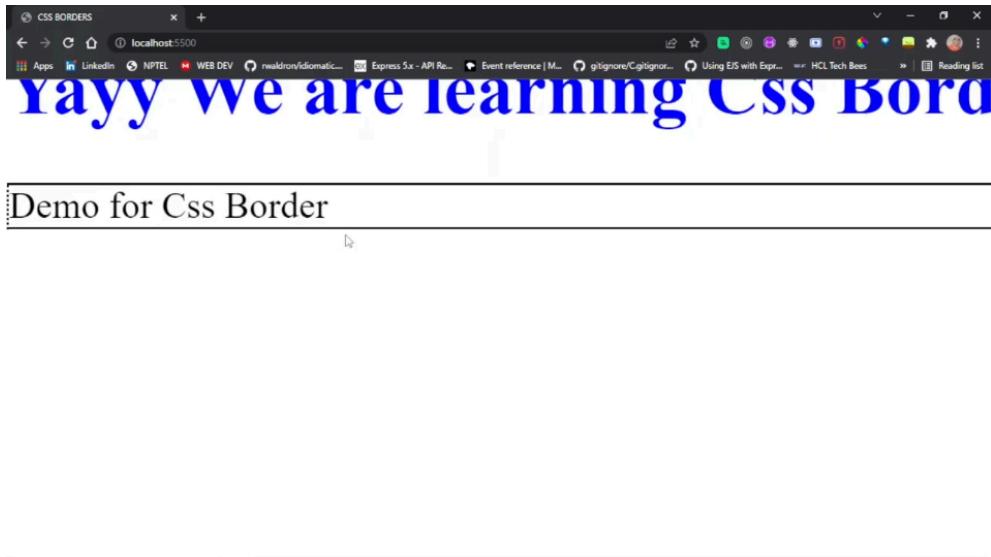
  border-top-style: dashed;
  border-bottom-style: dotted;
  border-right-style: double;

  /* border-style:top right bottom left; */
  border-style: solid dotted dashed none;
  /* border-style: top-bottom-left-right ; only for 2 values
  border-style:double dotted;

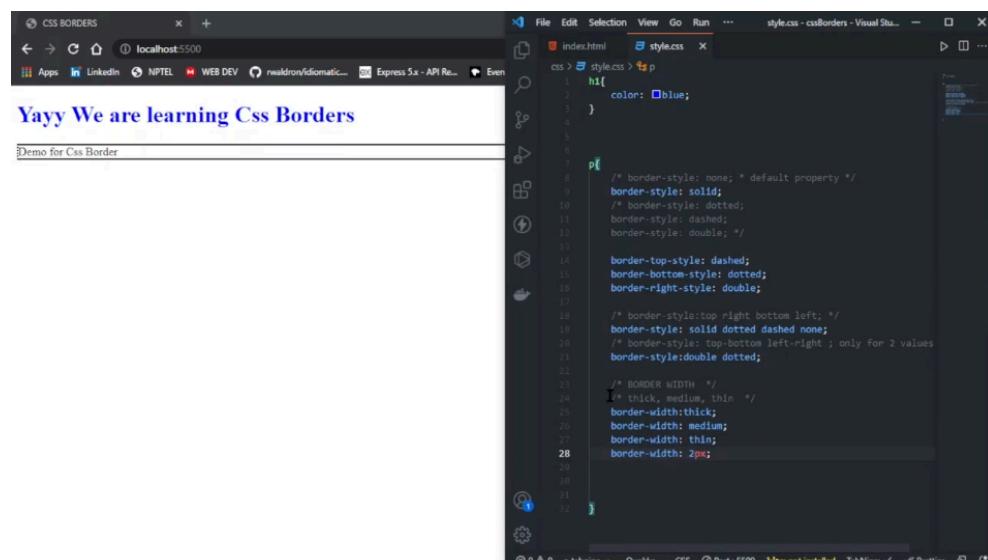
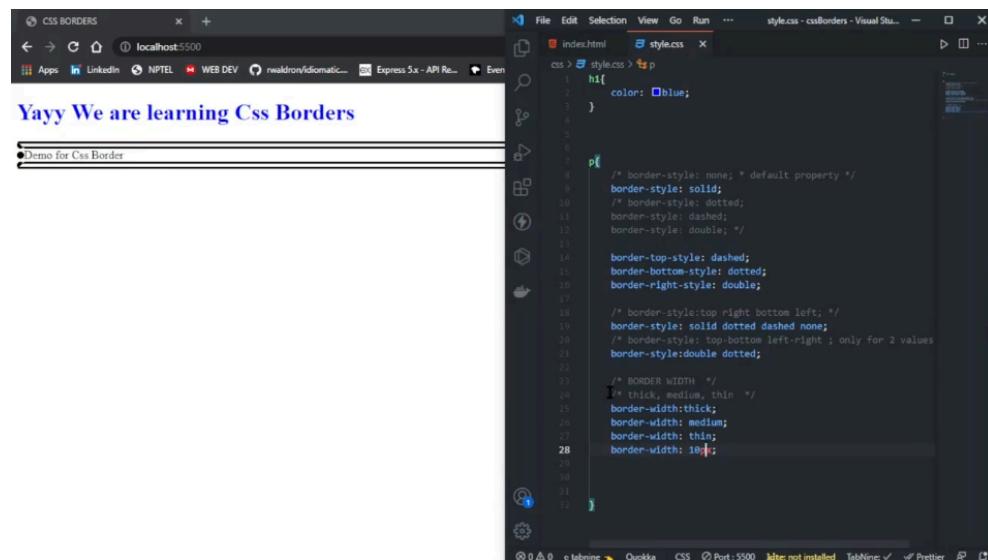
  /* BORDER WIDTH */
  /* thick, medium, thin */
  border-width:thick;
  border-width: medium;
}

```

`border-width : thin;`



define border width by customly:



The screenshot shows a browser window on the left displaying the text "Yay We are learning Css Borders" and a code editor on the right showing the corresponding CSS code.

Browser View:

- Address bar: localhost:5500
- Page title: CSS BORDERS
- Content: Yay We are learning Css Borders

Code Editor View:

- File Explorer: index.html, style.css
- Code Editor:

```
index.html
  style.css

css > style.css > p
  h1{
    color: blue;
  }
  p{
    /* border-style: none; * default property */
    border-style: solid;
    /* border-style: dotted;
    border-style: dashed;
    border-style: double; */

    border-top-style: dashed;
    border-bottom-style: dotted;
    border-right-style: double;

    /* border-style:top right bottom left; */
    border-style: solid dotted dashed none;
    /* border-style: top-bottom left-right ; only for 2 values
    border-style:double dotted;

    /* BORDER WIDTH */
    /* thick, medium, thin */
    border-width: thick;
    border-width: medium;
    border-width: thin;
    border-width: 5px;
  }
```

we can use shorthand property also for border-width.

we can define individual side to different border-width as border-style

The screenshot shows a browser window with the URL `localhost:5000` and a code editor side-by-side.

Browser Content:

Yay! We are learning Css Borders

Code Editor (Visual Studio Code):

```
File Edit Selection View Go Run ...
index.html style.css
css > style.css > style.css
hi{
    color: blue;
}

p {
    /* border-style: none; * default property */
    border-style: solid;
    /* border-style: dotted;
    border-style: dashed;
    border-style: double; */

    border-top-style: dashed;
    border-bottom-style: dotted;
    border-right-style: double;

    /* border-style: top bottom left right; */
    border-style: #f00 dotted dashed none;
    /* border-style: top-bottom left-right ; only for 2 values */
    border-style: double dotted;

    /* BORDER WIDTH */
    /* thick, medium, thin */
    border-width: thick;
    border-width: medium;
    border-width: thin;
    border-width: 5px;
    border-top-width: 20px;
```

border color

shorthand property for above all things

border : style width color;

```

border-color: #43, 155, 71;
border-bottom-color: #214, 211, 42;

border-style: solid;
padding: 4px 10px;
border-color: orange;
border-width: 2px;

a:hover{
    color: #ffff;
    background-color: orange;
}

```

Border-radius

We can define the border-radius for individual corners of the border also.

we can define the border-radius by using shorthand also.

```

border-color: #43, 155, 71;
border-bottom-color: #214, 211, 42;

border-style: solid;
padding: 4px 10px;
border-color: orange;
border-width: 2px;
/* width: 58px; */
border-radius: 10px;
color: orange;

a:hover{
    color: #ffff;
    background-color: orange;
}

```

CSS Border-style

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- The border-style property is used to specify the type of border that has to be displayed for the element in the web page.

- Syntax:

border-style: dotted;

A dotted border.



CSS Border-style

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We can also apply different styles for all four sides of the element.

Example:

- **border-style:dotted dashed solid double;**(top right bottom left)

Border style can also be applied individually to all sides, using the following syntax:

- **border-top-style:dotted;**
- **border-right-style:dashed;**
- **border-bottom-style:solid;**
- **border-left-style:double;**

A mixed border.



CSS Border-width

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- The border-width property is used to set the width of the HTML element's border for all four sides.
- The width of the border can be specified by using
 - px values (**border-width: 5px;**)
 - predefined values (thin, medium, thick)
 - **border-width:thin;**
 - **border-width:medium;**
 - **border-width:thick;**



CSS Border-width

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- The border-width property can have different number of values:
 - **One value:**
 - Same value is applicable for all sides of the border.
 - Example: **border-width:thick;**
 - **Two value:**
 - Different values for (top and bottom) and (left and right) sides.
 - Example: **border-width:5px 20px;**(top and bottom left and right)

A solid border.

A groove border.



CSS Border-width

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- **Four value:**
 - Different values of all four sides.
 - Example: **border-width: 25px 10px 4px 35px;** (top right bottom left)



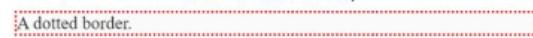
- Border width can also be applied individually to all sides, using the following syntax:
 - **border-right-width: 5px;**



CSS Border-Color

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- The border-color property is used to set color for the borders.
- The border-color can be given for all four sides of the border or specific sides of the border similar to other border properties.
- Example:
 - For all four sides- **border-color: red;**
 - Specific sides - **border-color: red green blue yellow;** (top right bottom left)
 - Individually to all sides of the border - **border-top-color: green;**



A dashed border is shown as a thin dashed line.

A solid border is shown as a thick black border.



CSS Border-Radius

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- The border-radius property defines the radius of the border corners.
- The border-radius property gives a round shape to the corner of the border of an element.
- The border can be specified for all four corners or separate radius for specific sides similar to other border properties of CSS.
- Example:
 - For all four sides - **border-radius: 15px;**
 - Specific sides - **border-radius: 5px 10px 15px 20px;** (top-left top-right bottom-right bottom-left)
 - Individual sides - **border-bottom-right-radius: 15px;**

A solid border is shown as a thick black border.

A double border is shown as a thick black border with a white center.

A groove border is shown as a thick black border with a white center.



HTML table border

```

    /* border-style: solid; */
    /* padding: 4px 10px; */
    /* border-color: orange; */
    /* border-width: 2px; */
    /* border-color: style width color; */
    border: 2px solid orange;
    border-radius: 10px;
    color: orange;

    border-top-left-radius: 20px;
    border-bottom-right-radius: 10px;

}
a:hover{
    color: #fff;
    background-color: orange;
}

table,td,tr,th{
    border: solid 2px #rgb(136, 123, 123);
    border-collapse: collapse;
}

```

HTML Table Borders

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HTML tables do not have borders by default, if the border is added to the table then the border will be applied to all the table cells.

`table border="1"`

Name	Grade
Jill	Smith
Eve	Jackson
Jill	Jackson
Eve	Smith

CSS Border

style

width

color

radius

HTML table borders

HTML Table Borders

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CSS border property can also be used to apply borders in table, table header and table data cells.

`table, th, td {border: 1px solid black;}`

Firstname	Lastname	Age
Jill	Smith	50
Eve	Jackson	94
John	Doe	80

CSS Border

style

width

color

radius

HTML table borders

HTML Table Borders

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To avoid double borders, border-collapse property can be used.

```
table, th, td {border: 1px solid black; border-collapse: collapse;}
```

Name	Grade
Jill	Smith
Eve	Jackson
Jill	Jackson
Eve	Smith



HTML Table Borders

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The background-color property is used to set color to cells of the table.

```
th {background-color: pink;} td {background-color: skyblue;}
```

Name	Grade
Jill	Smith
Eve	Jackson
Jill	Jackson
Eve	Smith



Example

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border: 1px solid #6e6558;

border-radius: 10px;

border: 1px solid black;





border: 1px solid black; border-radius: 10px; padding: 10px; width: fit-content; margin: auto;