CSS Border Properties

The CSS `border` properties allow you to specify the **style, width, and color** of an element's border.

Border Style

The `border-style` property **specifies what kind of border** to display.

The following values are allowed:

- `dotted` - Defines a dotted border
- `dashed` - Defines a dashed border
- `solid` - Defines a solid border
- `double` - Defines a double border
- `groove` - Defines a 3D grooved border. The effect depends on the border-color value
- `ridge` - Defines a 3D ridged border. The effect depends on the border-color value
- `inset` - Defines a 3D inset border. The effect depends on the border-color value
- `outset` - Defines a 3D outset border. The effect depends on the border-color value
- `none` - Defines no border

The `border-style` property can have from one to four values (for the top border, right border, bottom border, and the left border).

Example

```
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;}
```

Result:

A dotted border.

A dashed border.

A solid border.

A double border.

A groove border. The effect depends on the border-color value.

A ridge border. The effect depends on the border-color value.

An inset border. The effect depends on the border-color value.

An outset border. The effect depends on the border-color value.

No border.

Border Width

The `border-width` property **specifies the width of the four borders**.

The width can be set as a specific size (in px, pt, cm, em, etc)

The `border-width` property can have from one to four values (for the top border, right border, bottom border, and the left border).

5px border-width
Example

```css
p.one {
    border-style: solid;
    border-width: 5px;
}


p.three {
    border-style: solid;
    border-width: 2px 10px 4px 20px;
}
```

Border Color

The `border-color` property is used to **set the color of the four borders**.

The `border-color` property can have from one to four values (for the top border, right border, bottom border, and the left border).

Red border
Example

```css
p.one {
    border-style: solid;
    border-color: red;
}
```

```
p.three {
    border-style: solid;
    border-color: red green blue yellow;
}
```

Border - Individual Sides

From the examples above you have seen that it is possible to **specify a different border for each side.**

In CSS, there is also properties for specifying each of the borders (top, right, bottom, and left):

Different Border Styles
Example

```
p {
    border-top-style: dotted;
    border-right-style: solid;
    border-bottom-style: dotted;
    border-left-style: solid;
}
```

If the border-style property has four values:

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

Border - Shorthand Property

To shorten the code, **specify all the border properties in one property.**

The border property is a shorthand property for the following individual border properties:

- border-width
- border-style (required)
- border-color

Example

```
p {
    border: 5px solid red;
}
```

Some text

You can also specify all the individual border properties for just one side:

Left Border

```
p {
    border-left: 6px solid red;
    background-color: lightgrey;
}
```

Some text

Bottom Border

```
p {
    border-bottom: 6px solid red;
    background-color: lightgrey;
}
```

Some text