CSS Borders

The CSS border properties allow you to specify the style, width, and colour of an element's border. Some of the properties of the border are

- border-style,
- border-width,
- border-color,
- border-sides, and
- border-radius.

CSS Border Style

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

The following values are used to create normal 2D effect on a border: *dotted*, *dashed*, *solid* and *double*.

The following values are used to create normal 3D effect on a border: *groove*, *ridge*, *inset*,

and *outset*. Note that all 3D effect properties depend on the border-color value.

Other values are none and hidden. None defines no border which hidden defines a hidden border.

The border-style property can have from one to four values (based on the border sides set). When setting the border sides, we write the property name like this: background-left-style or border-style: top-value right-value bottom-value left-value.

CSS 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.) or by using one of the three pre-defined values: thin, medium, or thick.

For example:

```
p.border {
    border-style: solid;
    border-width: 2px;
}
```

The border-width property can have from one to four values (based on the border sides set). When setting the border sides, we write the property name like this: background-left-width or border-width: top-value right-value bottom-value left-value.

CSS Border Color

The `border-color` property is used to set the colour of the four borders. The colour can be set by: name, hex value, rgb value, hsl value, transparent.

Note that if the border-color is not set, the element inherits the colour of the element, which is usually specified by color property in CSS.

The border-color property can have from one to four values (based on the border sides set). When setting the border sides, we write the property name like this: background-left-color or border-color: top-value right-value bottom-value left-value.

CSS Rounded Borders

In CSS, the border-radius property is used to add rounded borders to an element.

For example:

```
p {
   border: 2px solid red;
   border-radius: 5px;
}
```

CSS Border

To shorten the code, it is also possible to specify all the individual 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.

You mustn't organise the value in order specified above.

For example:

```
p.check { border: 2px solid red }
p.check { border: red 2px solid }
```

The both CSS blocks would return the same output.

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MR YOUNG

IGWURUTA | ISIOKPO | ELELE | IKIRI | OMOKU

mryoung.presmaltra.com.ng