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border-width

The `border-width` shorthand CSS property sets the width of an element's border.

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Constituent properties

This property is a shorthand for the following CSS properties:

- `border-bottom-width`
- `border-left-width`
- `border-right-width`
- `border-top-width`

Syntax

CSS

```
/* Keyword values */
border-width: thin;
border-width: medium;
border-width: thick;

/* <length> values */
border-width: 4px;
border-width: 1.2rem;

/* top and bottom | left and right */
border-width: 2px 1.5em;

/* top | left and right | bottom */
border-width: 1px 2em 1.5cm;

/* top | right | bottom | left */
border-width: 1px 2em 0 4rem;

/* Global values */
border-width: inherit;
border-width: initial;
border-width: revert;
border-width: revert-layer;
border-width: unset;
```

The `border-width` property may be specified using one, two, three, or four values.

- When **one** value is specified, it applies the same width to **all four sides**.
- When **two** values are specified, the first width applies to the **top and bottom**, the second to the **left and right**.
- When **three** values are specified, the first width applies to the **top**, the second to the **left and right**, the third to the **bottom**.
- When **four** values are specified, the widths apply to the **top**, **right**, **bottom**, and **left** in that order (clockwise).

Values

`<line-width>`

Defines the width of the border, either as an explicit nonnegative `<length>` or a keyword. If it's a keyword, it must be one of the following values:

- `thin`
- `medium`
- `thick`

> **Note:** Because the specification doesn't define the exact thickness denoted by each keyword, the precise result when using one of them is implementation-specific. Nevertheless, they always follow the pattern `thin ≤ medium ≤ thick`, and the values are constant within a single document.

Formal definition

Initial value	as each of the properties of the shorthand: • `border-top-width`: `medium` • `border-right-width`: `medium` • `border-bottom-width`: `medium` • `border-left-width`: `medium`
Applies to	all elements. It also applies to `::first-letter`.
Inherited	no
Computed value	as each of the properties of the shorthand: • `border-bottom-width`: the absolute length or `0` if `border-bottom-style` is `none` or `hidden` • `border-left-width`: the absolute length or `0` if `border-left-style` is `none` or `hidden` • `border-right-width`: the absolute length or `0` if `border-right-style` is `none` or `hidden` • `border-top-width`: the absolute length or `0` if `border-top-style` is `none` or `hidden`
Animation type	as each of the properties of the shorthand: • `border-bottom-width`: a length • `border-left-width`: a length • `border-right-width`: a length • `border-top-width`: a length

Formal syntax

```
border-width =
  <line-width>{1,4}

<line-width> =
  <length [0,∞]>  |
  thin            |
  medium          |
  thick
```

Examples

A mix of values and lengths

HTML

HTML Play

```
<p id="one-value">one value: 6px wide border on all 4 sides</p>
<p id="two-values">
  two different values: 2px wide top and bottom border, 10px wide right and left
  border
</p>
<p id="three-values">
  three different values: 0.3em top, 9px bottom, and zero width right and left
</p>
<p id="four-values">
  four different values: "thin" top, "medium" right, "thick" bottom, and 1em
  left
</p>
```

CSS

CSS Play

```
#one-value {
  border: ridge #ccc;
  border-width: 6px;
}
#two-values {
  border: solid red;
  border-width: 2px 10px;
}
#three-values {
  border: dotted orange;
  border-width: 0.3em 0 9px;
}
#four-values {
  border: solid lightgreen;
  border-width: thin medium thick 1em;
}
p {
  width: auto;
  margin: 0.25em;
  padding: 0.25em;
}
```

Result

Play

Specifications

Specification
CSS Backgrounds and Borders Module Level 3 # the-border-width

Browser compatibility

Report problems with this compatibility data on GitHub

	Chrome	Edge	Firefox	Opera	Safari	Chrome Android	Firefox for Android	Opera Android	Safari on iOS	Samsung Internet	WebView Android
`border-width`	✓ 1	✓ 12	✓ 1	✓ 3.5	✓ 1	✓ 18	✓ 4	✓ 10.1	✓ 3	✓ 1.0	✓ 2

Tip: you can click/tap on a cell for more information.

✓ Full support

See also

- The border-related shorthand properties: `border`, `border-style`, `border-color`
- The border-width-related properties: `border-bottom-width`, `border-left-width`, `border-right-width`, `border-top-width`

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