C22 Kelelelice

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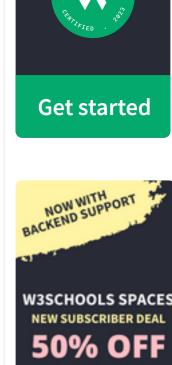
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CSS Units

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CSS Units

Many CSS properties take "length" values, such as width, margin,

CSS has several different units for expressing a length.

padding, font-size, etc. **Length** is a number followed by a length unit, such as 10px, 2em, etc.

Example

```
Set different length values, using px (pixels):
h1 {
  font-size: 60px;
}
  font-size: 25px;
  line-height: 50px;
Try it Yourself »
```

For some CSS properties, negative lengths are allowed.

Note: A whitespace cannot appear between the number and the unit.

There are two types of length units: **absolute** and **relative**.

However, if the value is 0, the unit can be omitted.

The absolute length units are fixed and a length expressed in any of these will appear as exactly that size.

Absolute Lengths

Absolute length units are not recommended for use on screen, because screen sizes vary so much. However, they can be used if the output medium

is known, such as for print layout. **Description** Unit

cm	centimeters	Try it				
mm	millimeters	Try it				
in	inches (1in = $96px = 2.54cm$)	Try it				
px *	pixels (1px = $1/96$ th of 1in)	Try it				
pt	points (1pt = 1/72 of 1in)	Try it				
рс	picas (1pc = 12 pt)	Try it				
* Pixels (px) are relative to the viewing device. For low-dpi devices, 1px is						

Relative Lengths

one device pixel (dot) of the display. For printers and high resolution screens

Relative length units scale better between different rendering medium.

em

0.5cm.

1px implies multiple device pixels.

Description Unit

Relative to the font-size of the element (2em means 2

Try it

Relative length units specify a length relative to another length property.

	times the size of the current font)	
ex	Relative to the x-height of the current font (rarely used)	Try it
ch	Relative to the width of the "0" (zero)	Try it
rem	Relative to font-size of the root element	Try it
vw	Relative to 1% of the width of the viewport*	Try it
vh	Relative to 1% of the height of the viewport*	Try it
vmin	Relative to 1% of viewport's* smaller dimension	Try it
vmax	Relative to 1% of viewport's* larger dimension	Try it
%	Relative to the parent element	Try it

Tip: The em and rem units are practical in creating perfectly scalable layout!

* Viewport = the browser window size. If the viewport is 50cm wide, 1vw =

Length Unit

the length unit.

Browser Support

The numbers in the table specify the first browser version that fully supports

em, ex, %, px, cm, mm, in, pt, pc	1.0	3.0	1.0	1.0	3.5
ch	27.0	9.0	1.0	7.0	20.0
rem	4.0	9.0	3.6	4.1	11.6
vh, vw	20.0	9.0	19.0	6.0	20.0
vmin	20.0	12.0	19.0	6.0	20.0
vmax	26.0	16.0	19.0	7.0	20.0
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