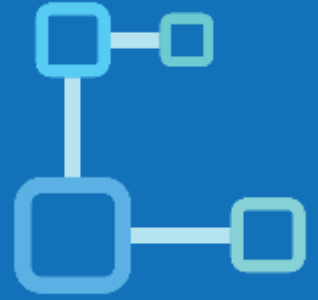




CSS UNITS (COMPRARISON)



Some things @netlink

CSS units

| | | |
|--|---|--|
| <p>CSS has 2 kinds of units: absolute & relative</p> <p>absolute: px, pt, pc, in, cm, mm</p> <p>relative: em, rem, ch, ex, vw, vh, %</p> | <p>rem</p> <p>the root element's font size</p> <pre>html { font-size: 14px; }</pre> <p>this means 1rem = 14px everywhere in the document</p> | <p>em</p> <p>the current element's font size</p> <p>these 3 elements have different values of 1em</p> |
| <p>0 is the same in all units</p> <pre>.btn { margin: 0; }</pre> <p>you don't need to say 0px or 0em, 0 is always the same</p> | <p>in, cm, mm</p> <p>Great for print stylesheets, not so good for web</p> | <p>rem & em help with accessibility</p> <pre>.modal { width: 20rem; }</pre> <p>this scales nicely if the user increases their browser's default font size</p> |
| | <p>vw, vh</p> <p>100vw is the viewport width 100vh is the viewport height</p> | |



px VS %



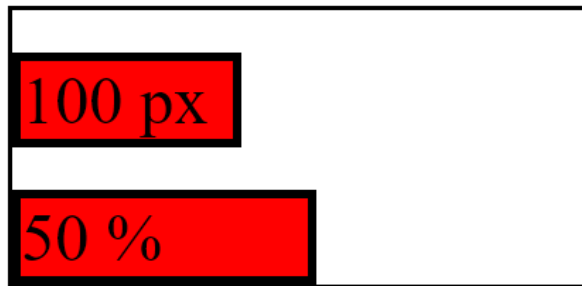
100 px

50 %



100 px

50 %



Pixel(px) -> absolute width

(Absolute meaning : fixed)

Percentage (%) -> Width
based on parent's size

Therefore, % is Relative.

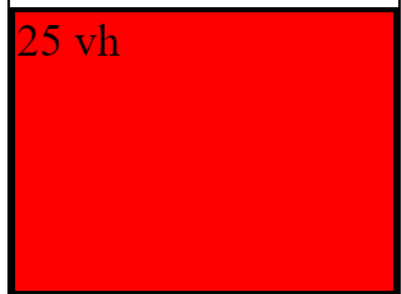
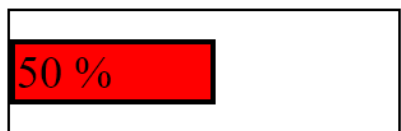


vw VS vh

50 %

50 vw

25 vh



$1\text{vw} = 1\%$ of width of entire screen

$100\text{vw} =$ entire width

$50\text{vw} =$ half the width

$\text{vw}/\text{vh} =$ depend on the entire width of screen.



rem VS em

1 rem

1 em

1 rem

1 em

2 rem

2 em

1 rem

1 em

2 rem

2 em

1 rem

1 em

2 rem

2 em

rem and em are not relative to height and width of the parent, instead relative to the font-size.

rem -> relative to the font-size of the root.

em -> relative to font-size of parent

Practice problem!

(Apply em and rem on these icons)



1 em icon



1 rem icon



1 em icon



1 rem icon



Thank you