

# CSS 2

COMS10012 / COMSM0085

Software Tools

# Units of measurement

# dpi (ppi)

dots (points) per inch

PC screen: 72 / 96 (Mac / Win defaults)  
can be 120+ nowadays

mobile: 200+ (iPhone 12 Pro: 460)

# Units

px pixel ppi: pixel per inch

pt point

cm, in, ...

em width of letter m relative to parent font size

ex height of letter x

lh line height (+ space)

# More units

vw, vh

1% of viewport width/height

refer to the whole window

rem

root em (html)

while % relates to the parent

instead of relative to window size but relative to root font size

gem

%

parent width/height

# example

```
html { font-size: 12pt; }
p    { font-size: 1rem; }
h1 {
    font-size: 1.8rem;
    margin-top: 2ex;
    margin-bottom: 1ex;
}
h2    { font-size: 1.4rem; }
```

# example

```
html, body {  
    margin: 0;  
    padding: 0;  
}  
  
h1 {  
    background-color: yellow;  
    width: 100%;  
}
```