

Faculty of Media Engineering and Technology  
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UI - CSS Measurement Units  
Report

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# CSS measuring units:

## 1. %:

Defines a measurement as a percentage relative to another value, typically an enclosing element.

### **example:**

```
p {  
font-size: 16pt; line-height: 125%;  
}
```

## 2. cm:

Defines a measurement in centimeters.

### **example:**

```
div {  
margin-bottom: 2cm;  
}
```

## 3. em:

A relative measurement for the height of a font in em spaces. Because an em unit is equivalent to the size of a given font, if you assign a font to 12pt, each "em" unit would be 12pt; thus, 2em would be 24pt.

**example:**

```
p {  
  letter-spacing: 7em;  
}
```

**4. ex:**

This value defines a measurement relative to a font's x-height. The x-height is determined by the height of the font's lowercase letter x.

**example:**

```
p {  
  font-size: 24pt; line-height: 3ex;  
}
```

**5. in:**

Defines a measurement in inches.

**example:**

```
p {  
  word-spacing: .15in;  
}
```

**6. mm:**

Defines a measurement in millimeters.

**example:**

```
p {  
  word-spacing: 15mm;  
}
```

## 7. pc:

Defines a measurement in picas. A pica is equivalent to 12 points; thus, there are 6 picas per inch.

### example:

```
p {  
  font-size: 20pc;  
}
```

## 8. pt:

Defines a measurement in points. A point is defined as 1/72nd of an inch.

### example:

```
body {  
  font-size: 18pt;  
}
```

## 9. px:

Defines a measurement in screen pixels.

### example:

```
p {  
  padding: 25px;  
}
```

## 10. **vh:**

1% of viewport height.

### **example:**

```
h2 {  
  font-size: 3.0vh;  
}
```

## 11. **vw:**

1% of viewport width

### **example:**

```
h1 {  
  font-size: 5.9vw;  
}
```

## 12. **vmin:**

1vw or 1vh, whichever is smaller

### **example:**

```
p {  
  font-size: 2vmin;  
}
```