

Web Engineering & Development (SWE 363)

3.2 CSS Properties

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Announcements

- Phase 2 added
- Grading started

In today's Lecture:

- Color: background, text
- Display: block, inline, inline-block
- Font: size, weight, family
- Text: alignment, decoration, transform
- Box model: border, padding, margin
- Flexbox: display, flex-direction, justify-content, align-items
- Positioning: static, relative, absolute, fixed, z-index

Reference:

- Zybook: 3.4 to 3.8

Inspirational Websites

<https://www.awwwards.com/>

<https://www.producthunt.com/>

<https://www.raycast.com>

CSS Variables Local Vs Global

 **CSS Variables**

GLOBAL SCOPE

```
:root {  
  --color: red  
}  
  
div {  
  color: var(--color)  
}
```



LOCAL SCOPE

```
.local {  
  --color: blue  
}  
  
color: var(--color)
```



Color Systems

Named → easy keywords.

HEX → classic web format.

RGB(A) → direct red/green/blue values.

HSL(A) → intuitive hue/saturation/lightness.

HWB → intuitive for mixing white & black.

color() → modern color spaces for wide-gamut displays.

Box model

```
div {  
  width: 200px;  
  padding: 20px;  
  border: 5px solid red;  
}  
  
/* Default box-sizing: content-box  
   box-sizing: border-box;  
  
*/
```

Flexbox

```
<nav>
  <ul>
    <li><a href="index.html">Home</a></li>
    <li><a href="products.html">Products</a></li>
    <li><a href="about.html">About</a></li>
  </ul>
</nav>
```

```
nav ul {
  display: flex;
  list-style-type: none;
  padding: 0;
}
```

Home Products About

```
nav li {
  flex-grow: 1;
  background-color: gold;
  text-align: center;
}
```

Home Products About

```
nav li {
  flex-basis: 100px;
  flex-shrink: 0;
  background-color: gold;
  text-align: center;
}
```

Home Products Abo

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Demo

Starter code at: [web-engineering-kfupm-classroom-3-2-css-properties/](https://github.com/kyfupm-classroom-3-2-css-properties/)

Next Class

- JS