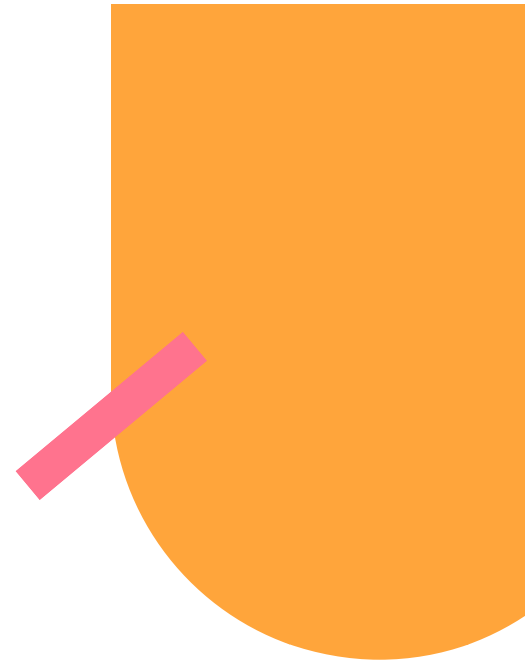
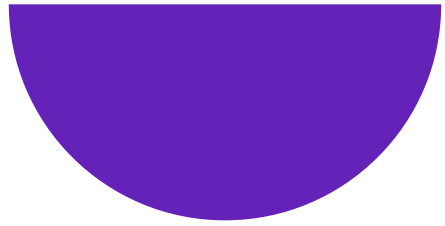




Foundation

CSS Foundations





Color

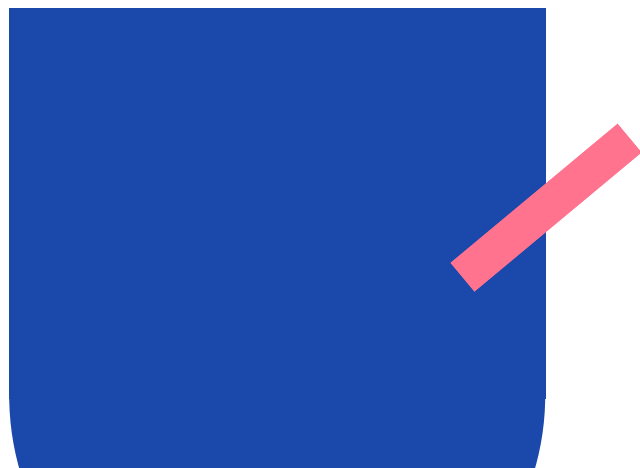




Color



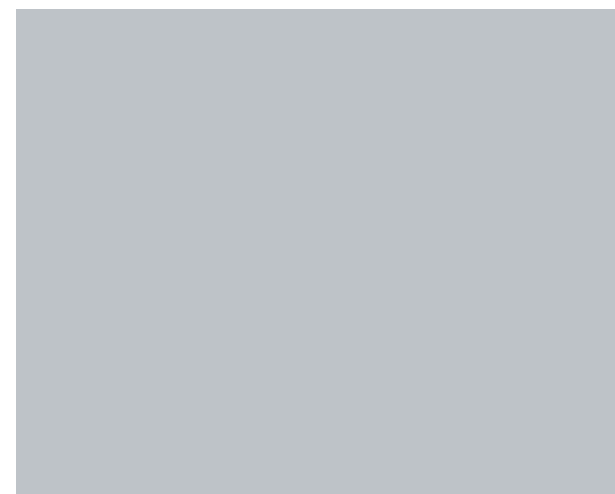
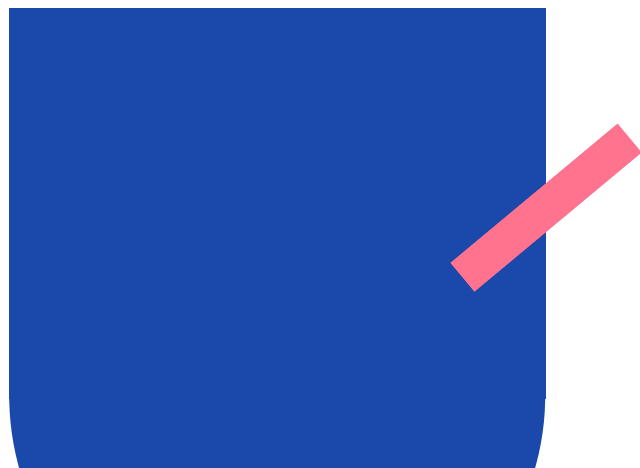
- Named color
- Hexadecimal
- RGB
- RGBA
- HSL





Named Color

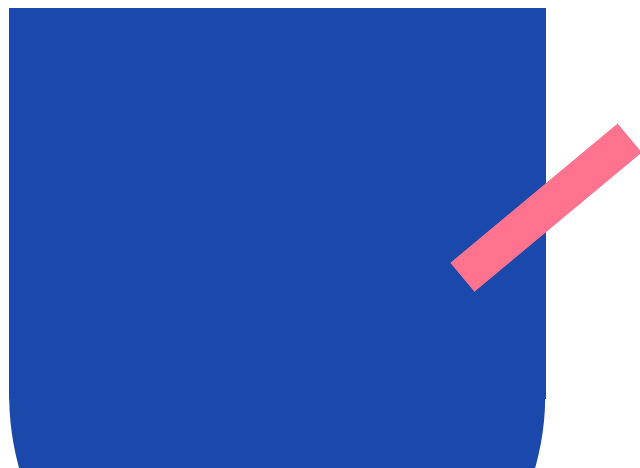
color: blue;
color: red;
color: orange;





Hexadecimal Color (Hex)

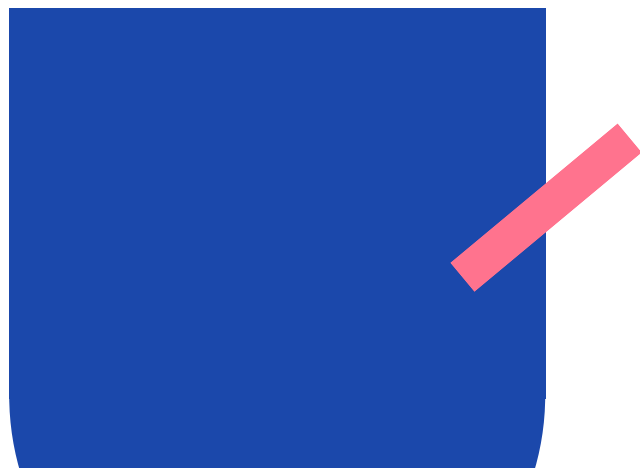
color: #0000FF;
color: #FF0000;
color: #FFA500;





Hexadecimal Color (Hex)

color: #FFF;
color: #000;
color: #FC0;

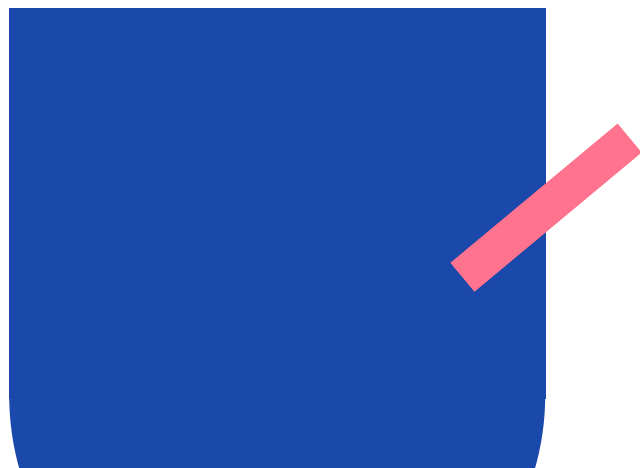




Hexadecimal Color (Hex)



`#FFF = #FFFFFF;`
`#000 = #000000;`
`#FC0 = #FFCC00;`

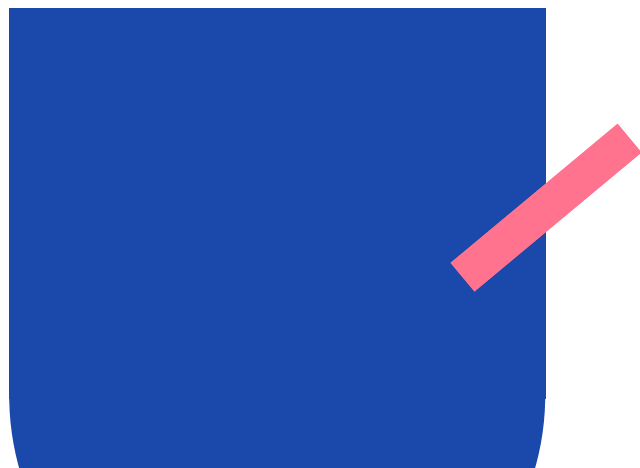




RGB



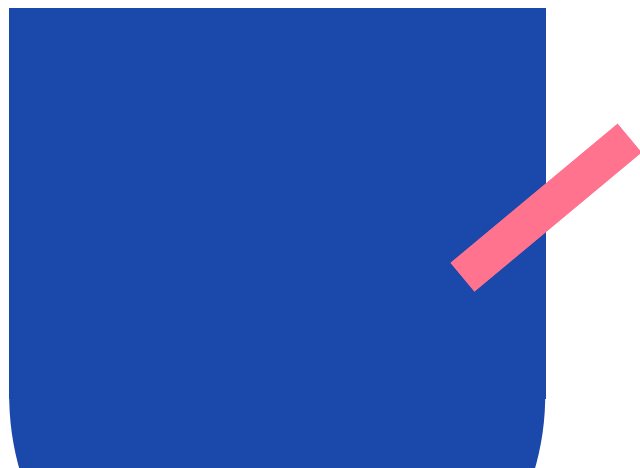
```
color: rgb(31, 120, 50);  
color: rgb(30%, 20%, 50);  
color: rgb(255 122 12);
```





RGBA

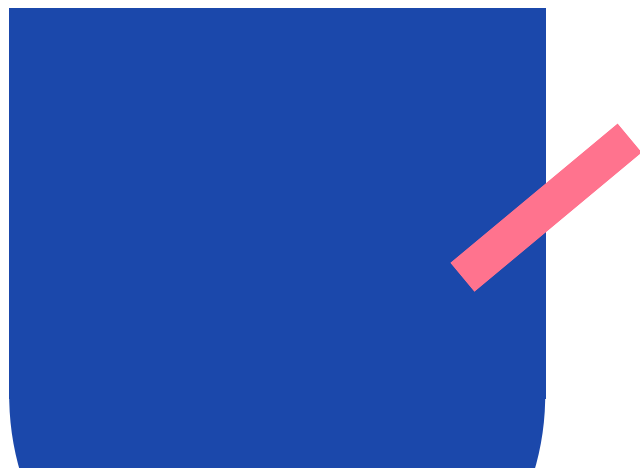
```
color: rgba(255, 255, 255, .5);  
color: rgba(255 255 255 / .5);
```





RGB

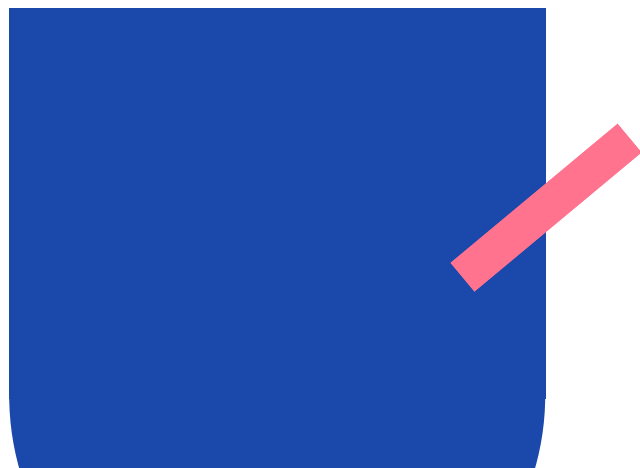
```
color: rgb(255, 255, 255, .5);  
color: rgb(255 255 255 / .5);
```





HSL/HSLA

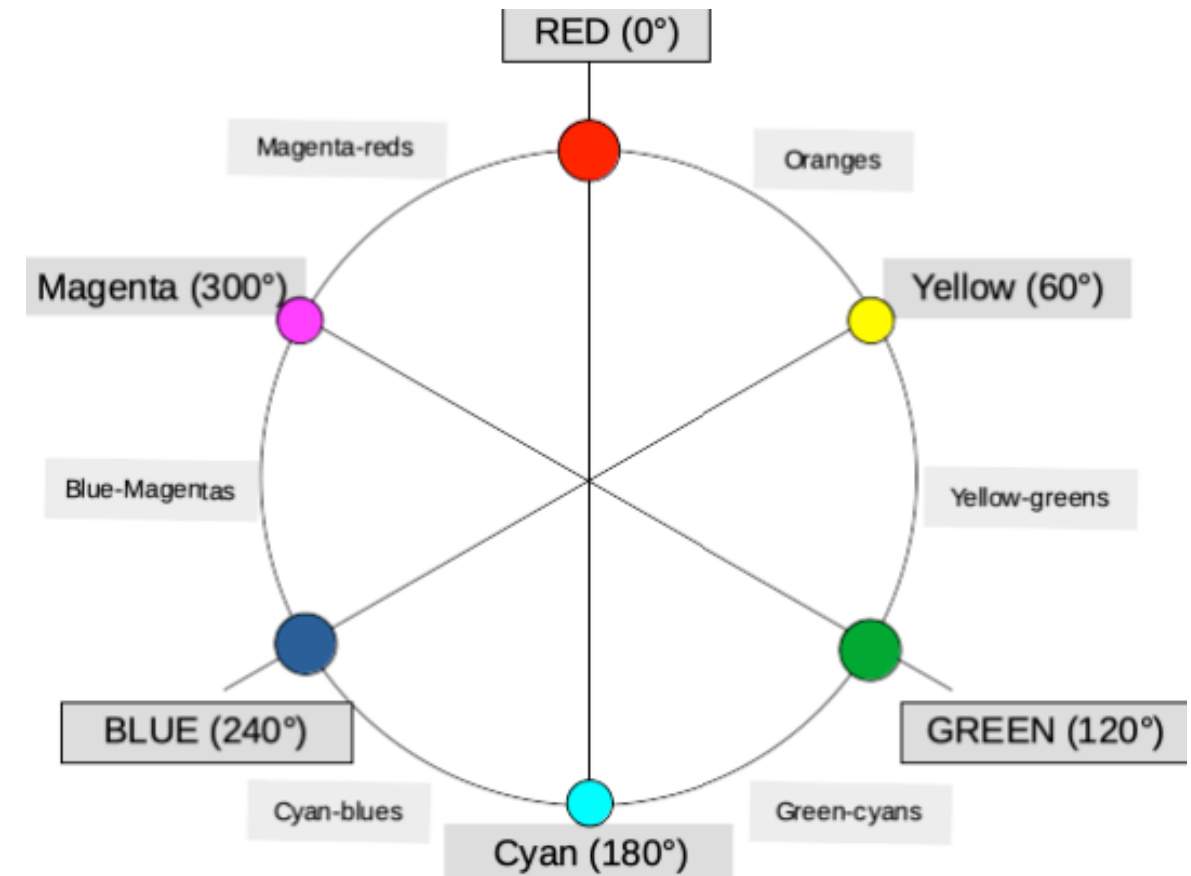
```
color: hsl(50 80% 40%);  
color: hsl(150deg 30%);  
color: hsl (150deg 30% 40% / .5)
```





Hue

- deg
- rad
- grad
- turn



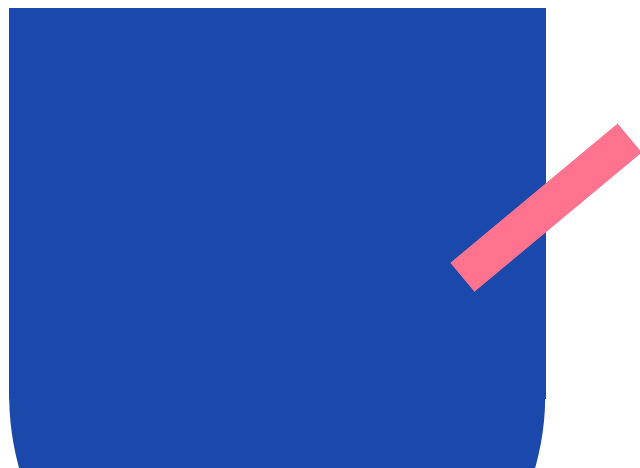
https://developer.mozilla.org/en-US/docs/Web/CSS/color_value/hsl



Saturation



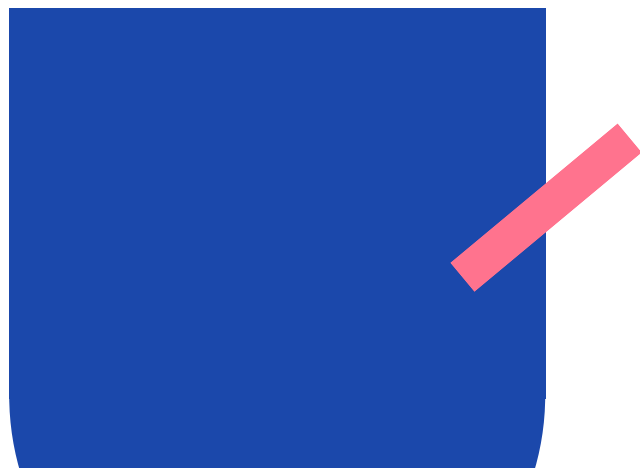
- Percentage where 0% is unsaturated (gray) and 100% is fully saturated.







Lightness

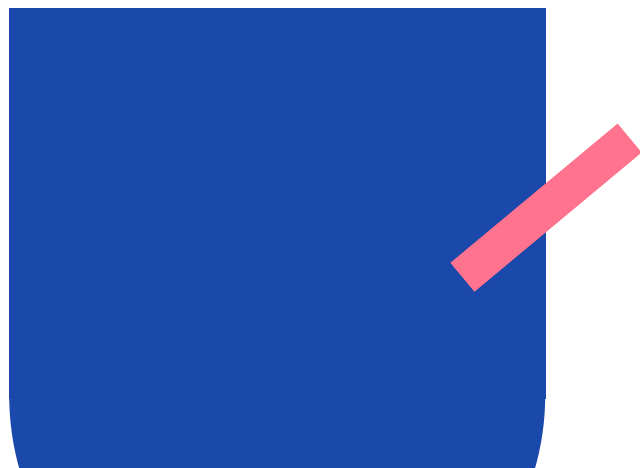
- Percentage where 0% is black, 50% is normal, and 100% is white.





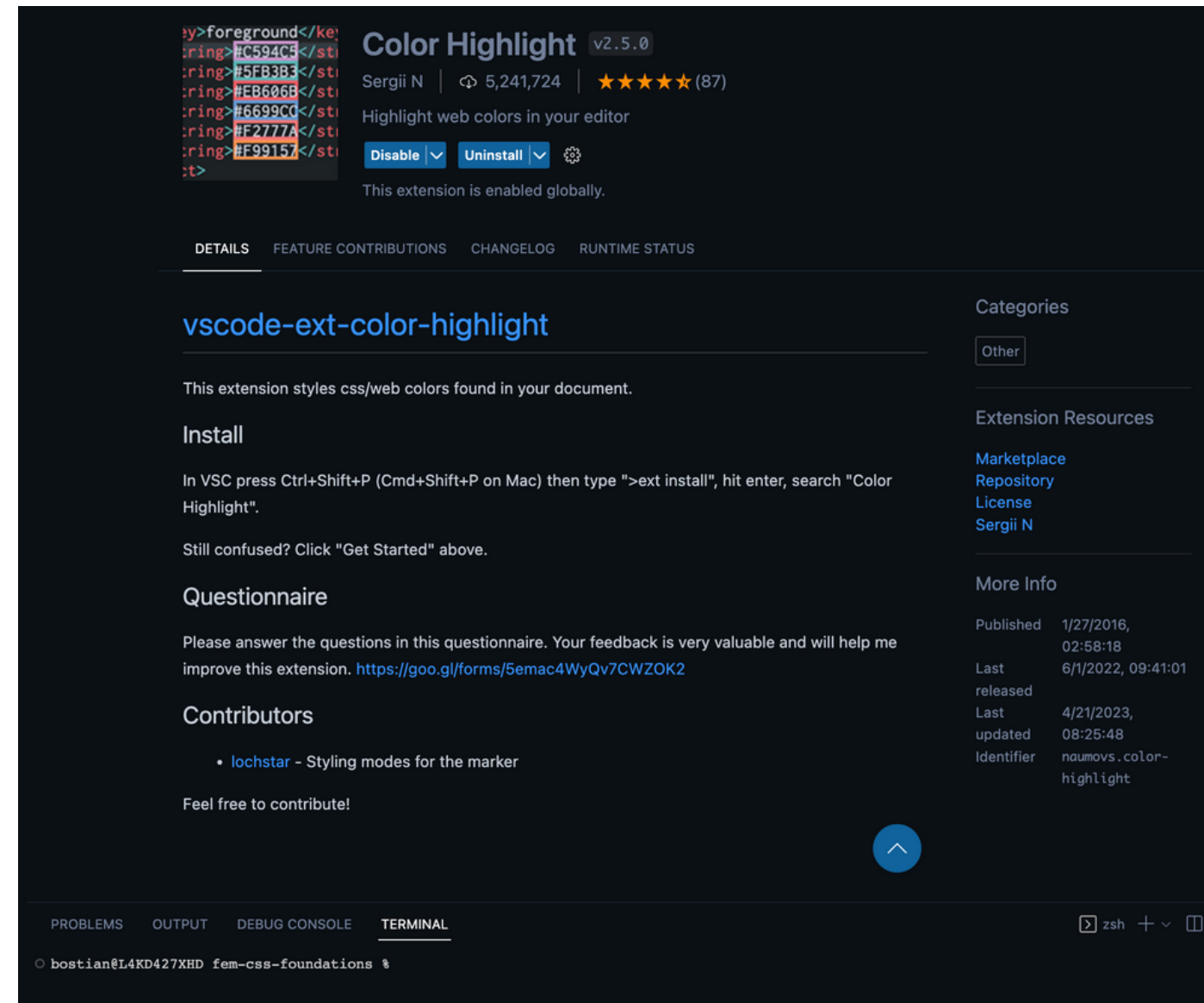
Which value
should you
use?

- 
- They are all valid
 - I prefer hexadecimal but if I need to play with an element's opacity I may use RGB/HSL.

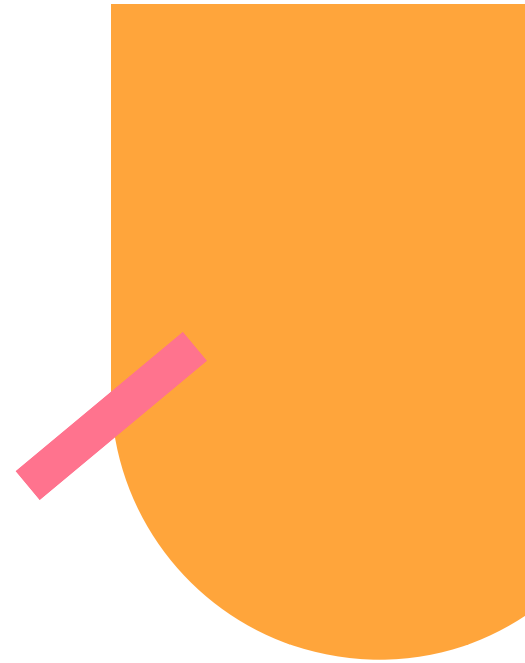


Color Highlight VSCode Plug-in

```
:root {  
  --color-primary: #ff7b54;  
  --color-text-on-primary: #ffffff;  
  --color-text-on-secondary: #000000;  
  --color-button-border: var(--color-text-on-primary);  
  --color-button-primary-bg: var(--color-text-on-primary);  
  --color-button-primary-text: var(--color-primary);  
  --color-button-secondary-bg: transparent;  
  --color-button-secondary-text: var(--color-text-on-primary);  
  
  --font-family: "Inter", sans-serif;  
}
```



The screenshot shows the VS Code extension marketplace page for the 'Color Highlight' extension. The extension is by Sergii N, has 5,241,724 downloads, and a 5-star rating from 87 reviews. It is currently installed globally. The page includes tabs for 'DETAILS', 'FEATURE CONTRIBUTIONS', 'CHANGELOG', and 'RUNTIME STATUS'. The 'DETAILS' tab is active, showing the extension's name 'vscode-ext-color-highlight', a description 'This extension styles css/web colors found in your document.', and an 'Install' button. Below the 'Install' button, there is a 'Questionnaire' section with a link to a survey, a 'Contributors' section listing 'lochstar' as a contributor, and a 'More Info' section with publication and update dates. The bottom of the page shows the 'TERMINAL' tab with the command prompt 'bostian@L4KD427XHD fem-css-foundations %'.



Fonts & Typography





Font Families

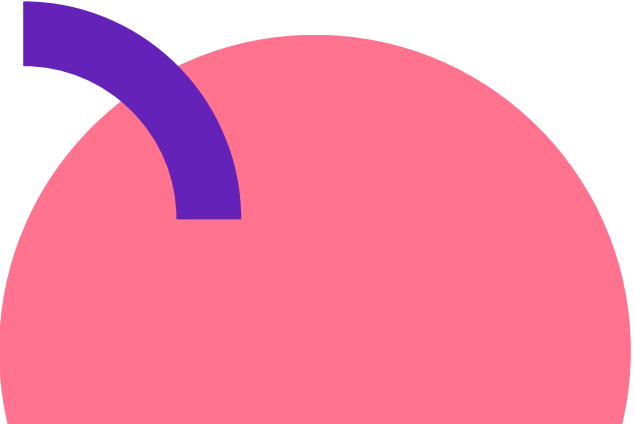
Specifies a list of one or more font family names and/or generic family names.

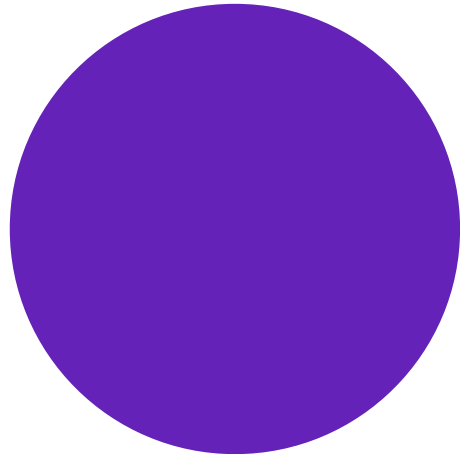
font-family: Georgia, serif;
font-family: "Comic Sans", sans-serif;





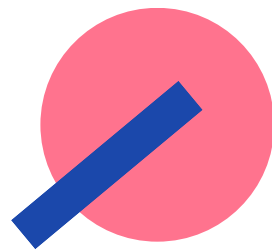
Generic Font Families

- serif
 - sans-serif
 - monospace
 - cursive
 - fantasy
 - system-ui
- 

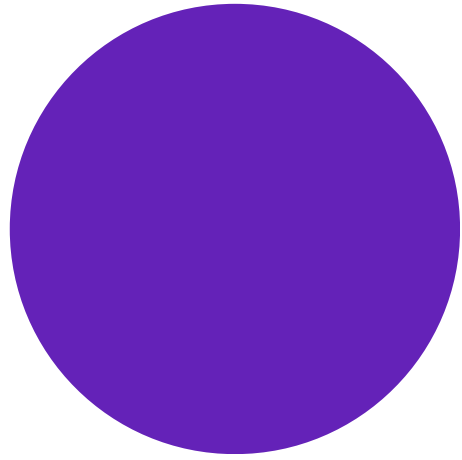


Serif

"Glyphs have finishing strokes, flared or tapering ends, or have actual serified endings."



<https://developer.mozilla.org/en-US/docs/Web/CSS/font-family>



Serif

Droid Serif

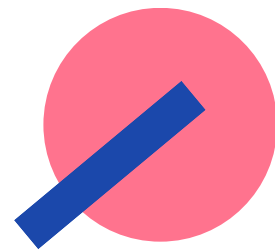
IBM Plex Serif

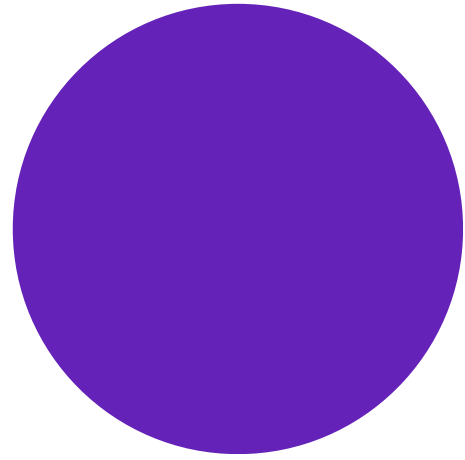
DejaVu Serif

Noto Serif

Carollo Playscript

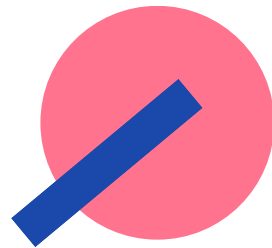
Bitter



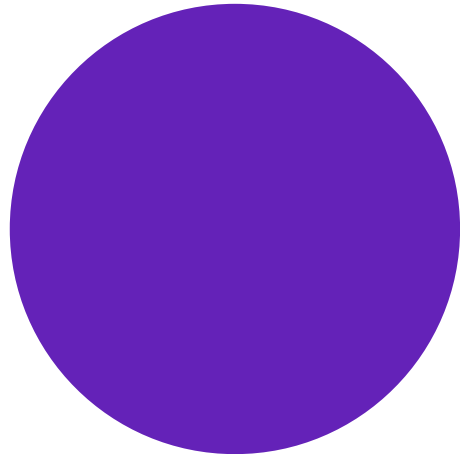


Sans-serif

"Glyphs have stroke endings that are plain."



<https://developer.mozilla.org/en-US/docs/Web/CSS/font-family>



Sans-Serif

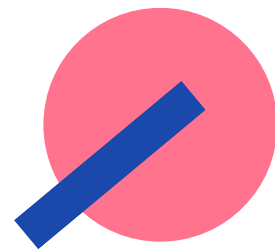
Fira Sans

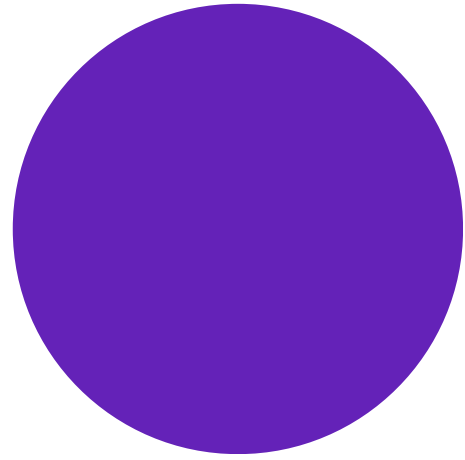
Open Sans

Canva Sans

Josefin Sans

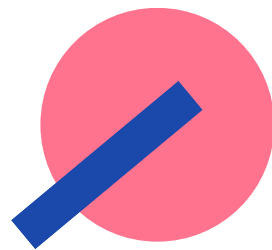
Tenor Sans



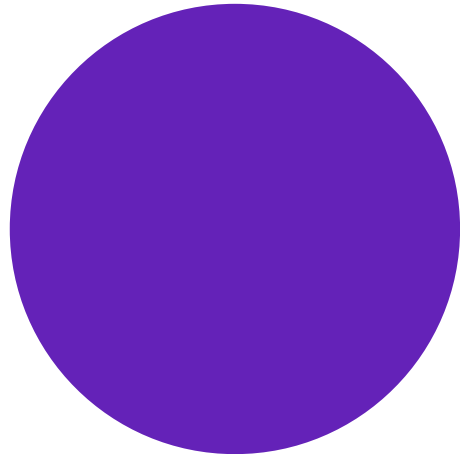


Monospace

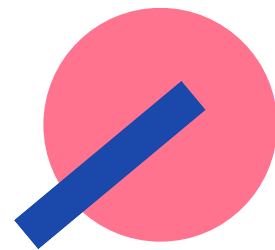
"All glyphs have the same fixed width."



<https://developer.mozilla.org/en-US/docs/Web/CSS/font-family>



Monospace



Fira Code

IBM Plex Mono

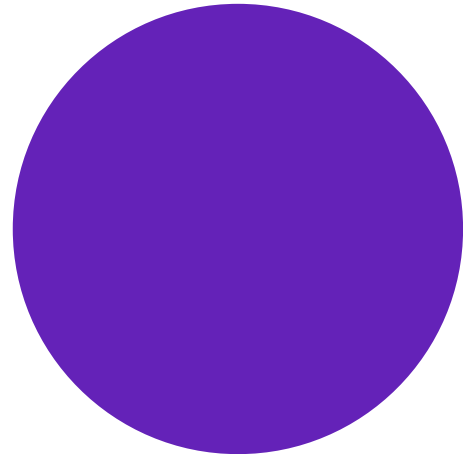
JetBrains Mono

Lucida Console

Space Mono

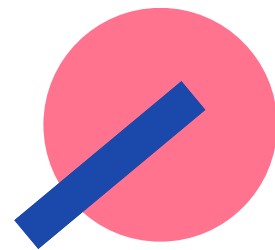
Roboto Mono

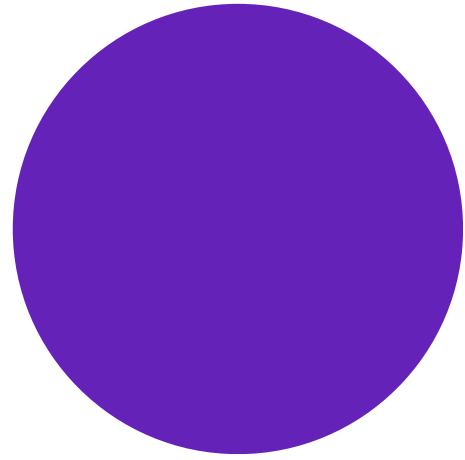




Font Weight

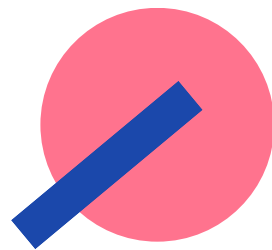
Sets the weight or bold appearance of the font.

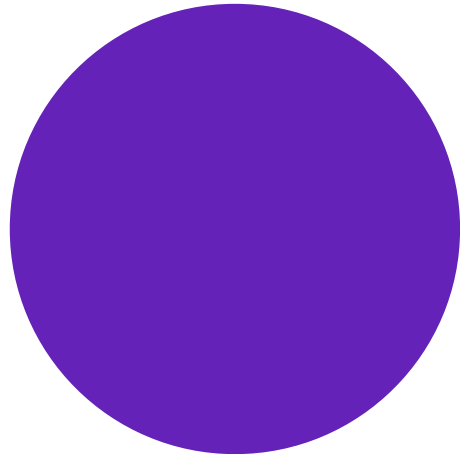




Font Weight

font-weight: normal;
font-weight: bolder;
font-weight: 100;
font-weight: inherit;





Font Weight Numerical Mappings

100 => thin/hairline

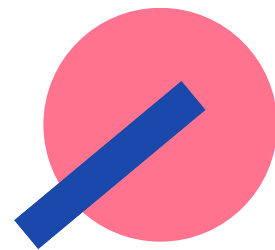
300 => light

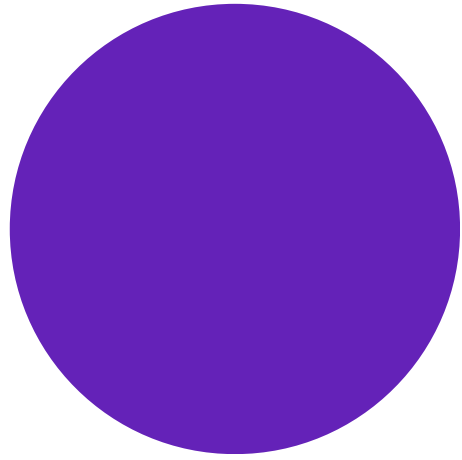
400 => normal

500 => medium

700 => bold

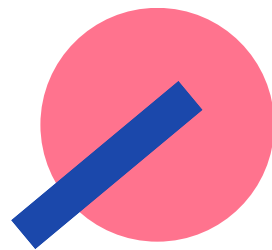
900 => black/heavy

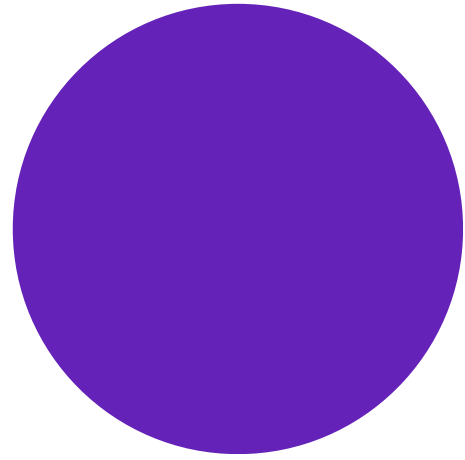




Font Size

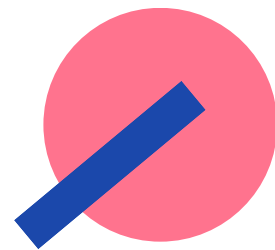
Sets the size of the font.

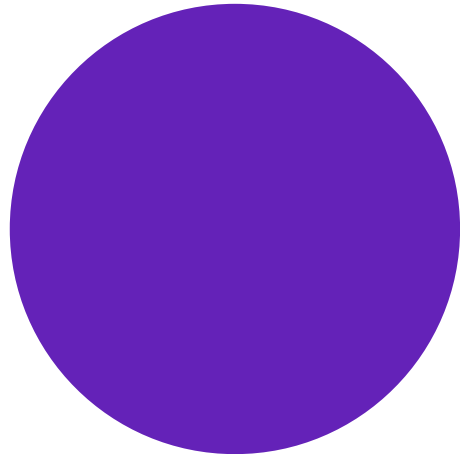




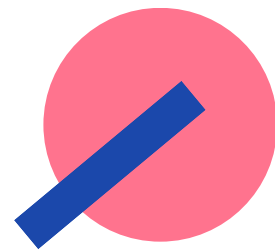
Font Size Values

- absolute values
- relative values
- length values
- percentage values
- global values



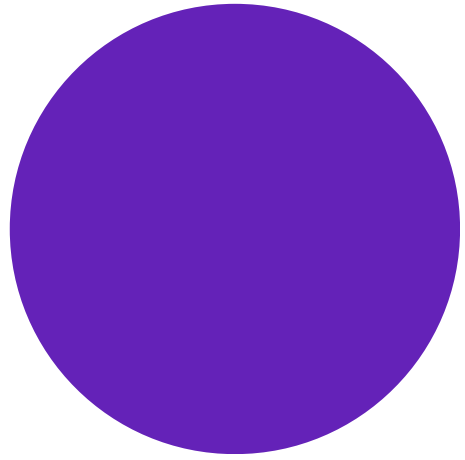


Absolute Values



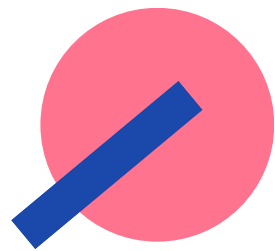
- xx-small
- x-small
- small
- medium
- large
- x-large
- xx-large
- xxx-large

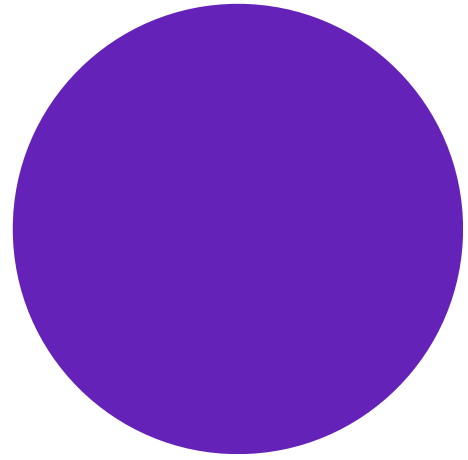




Relative Values

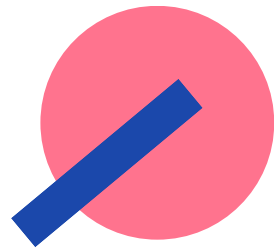
- smaller
- larger





Length Values

- px
- em
- rem



Em



```
<div>  
  <p>...</p>  
</div>
```

```
html {  
  font-size: 16px;  
}  
  
div {  
  font-size: 2em;  
}  
  
p {  
  font-size: 2em;  
}
```



Em

$16\text{px} * 2\text{em} = 32\text{px}$

$32\text{px} * 2\text{em} = 64\text{px}$

```
html {  
  font-size: 16px;  
}  
  
div {  
  font-size: 2em;  
}  
  
p {  
  font-size: 2em;  
}
```

Rem



```
<div>
  <p>...</p>
</div>
```



```
html {
  font-size: 16px;
}

div {
  font-size: 2rem;
}

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



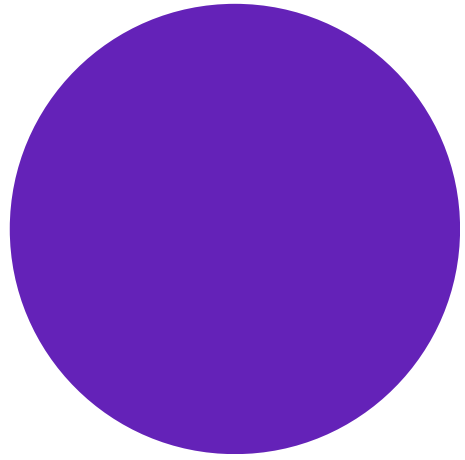
Rem

$16\text{px} * 2\text{rem} = 32\text{px}$

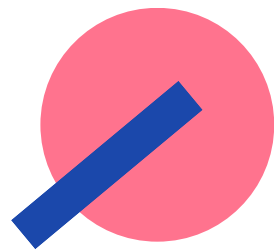
$16\text{px} * 2\text{rem} = 32\text{px}$

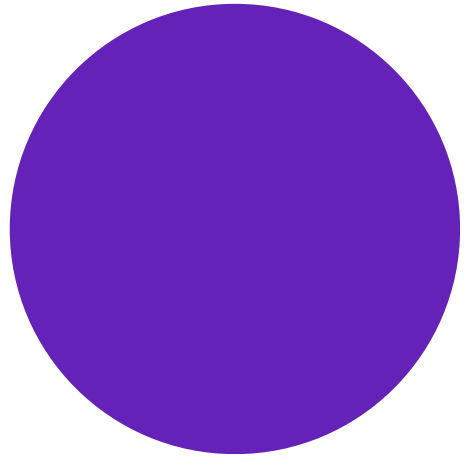


```
html {  
  font-size: 16px;  
}  
  
div {  
  font-size: 2rem;  
}  
  
p {  
  font-size: 2rem;  
}
```



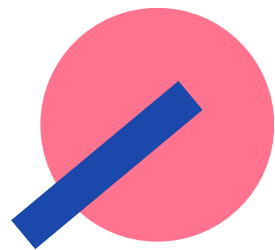
Px vs. Em vs. Rem

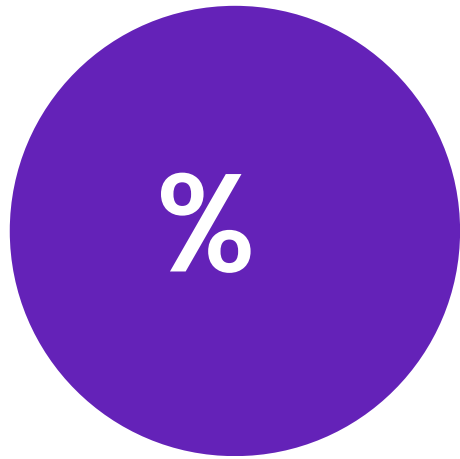




Percentage Values

• %





```
● ● ●  
  
<div>  
  <p>...</p>  
</div>
```

```
● ● ●  
  
html {  
  font-size: 16px;  
}  
  
div {  
  font-size: 120%;  
}  
  
p {  
  font-size: 120%;  
}
```




120% => 1.2 * 16 = 19.2px

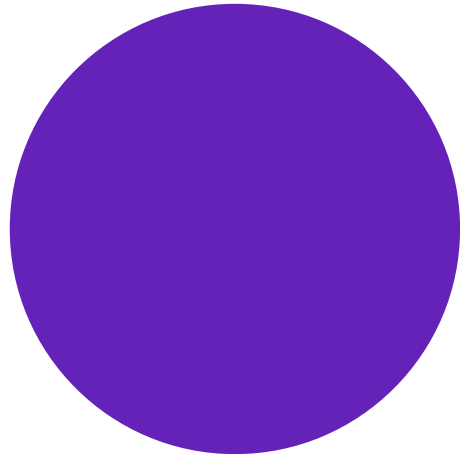
120% => 1.2 * 19.2 = 23.04px



```
html {  
  font-size: 16px;  
}
```

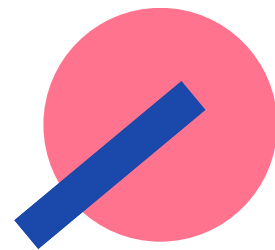
```
div {  
  font-size: 120%;  
}
```

```
p {  
  font-size: 120%;  
}
```

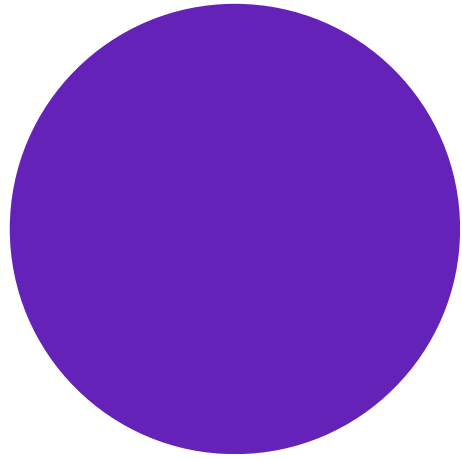


Global Values

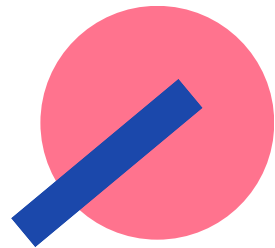
- inherit
- initial
- revert
- revert-layer
- unset



<https://developer.mozilla.org/en-US/docs/Web/CSS/revert>
<https://developer.mozilla.org/en-US/docs/Web/CSS/revert-layer>



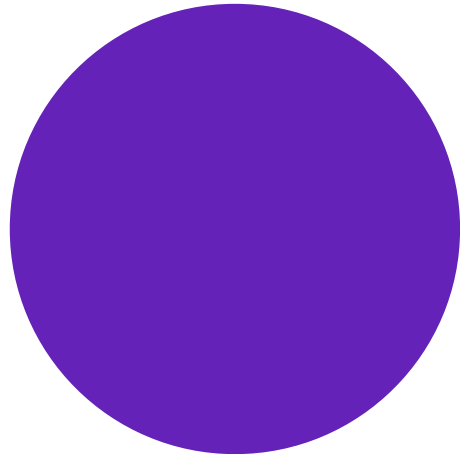
Text Decoration



Sets the appearance of decorative lines on text.

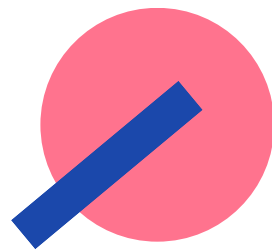
Shorthand for:

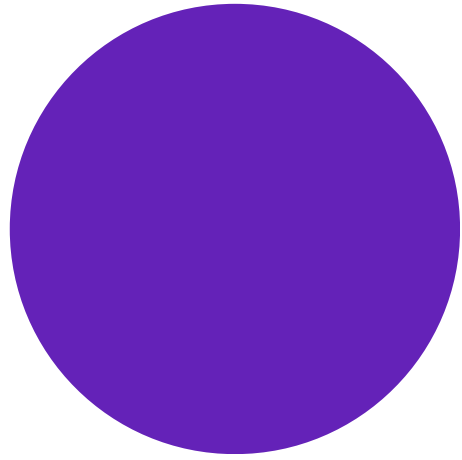
- `text-decoration-line`
- `text-decoration-color`
- `text-decoration-style`
- `text-decoration-thickness`



Shorthand

Instead of defining multiple CSS properties you can use a shorthand to change several at once.





Text- Decoration Shorthand

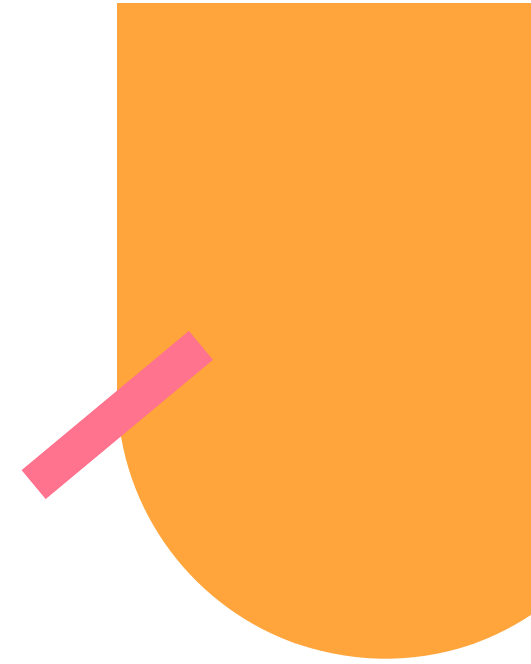
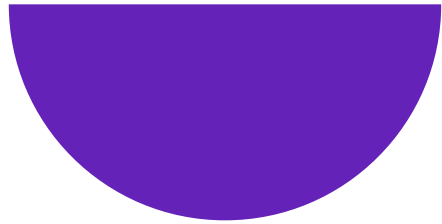


```
/* Instead of this... */
```

```
p {  
  text-decoration-line: underline;  
  text-decoration-color: red;  
  text-decoration-style: dashed;  
  text-decoration-thickness: 4px;  
}
```

```
/* You can use shorthand */
```

```
p {  
  text-decoration: underline red dashed 4px;  
}
```

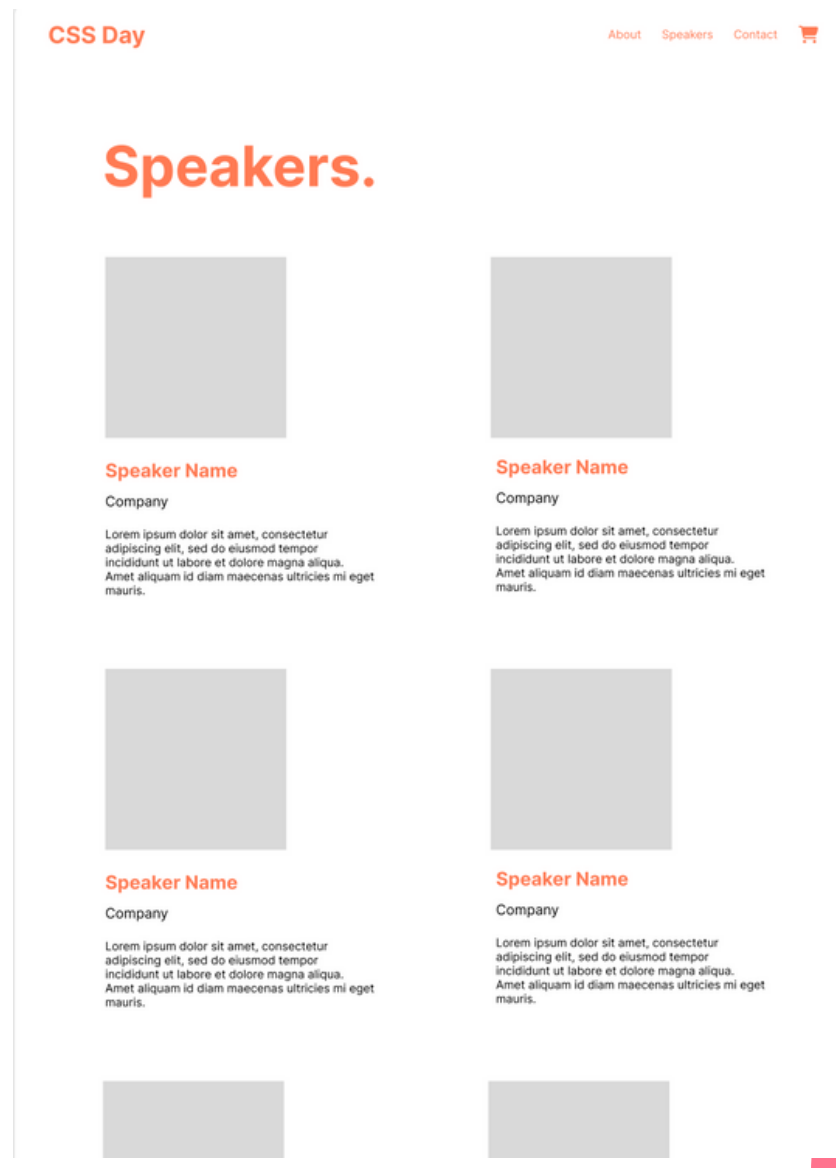
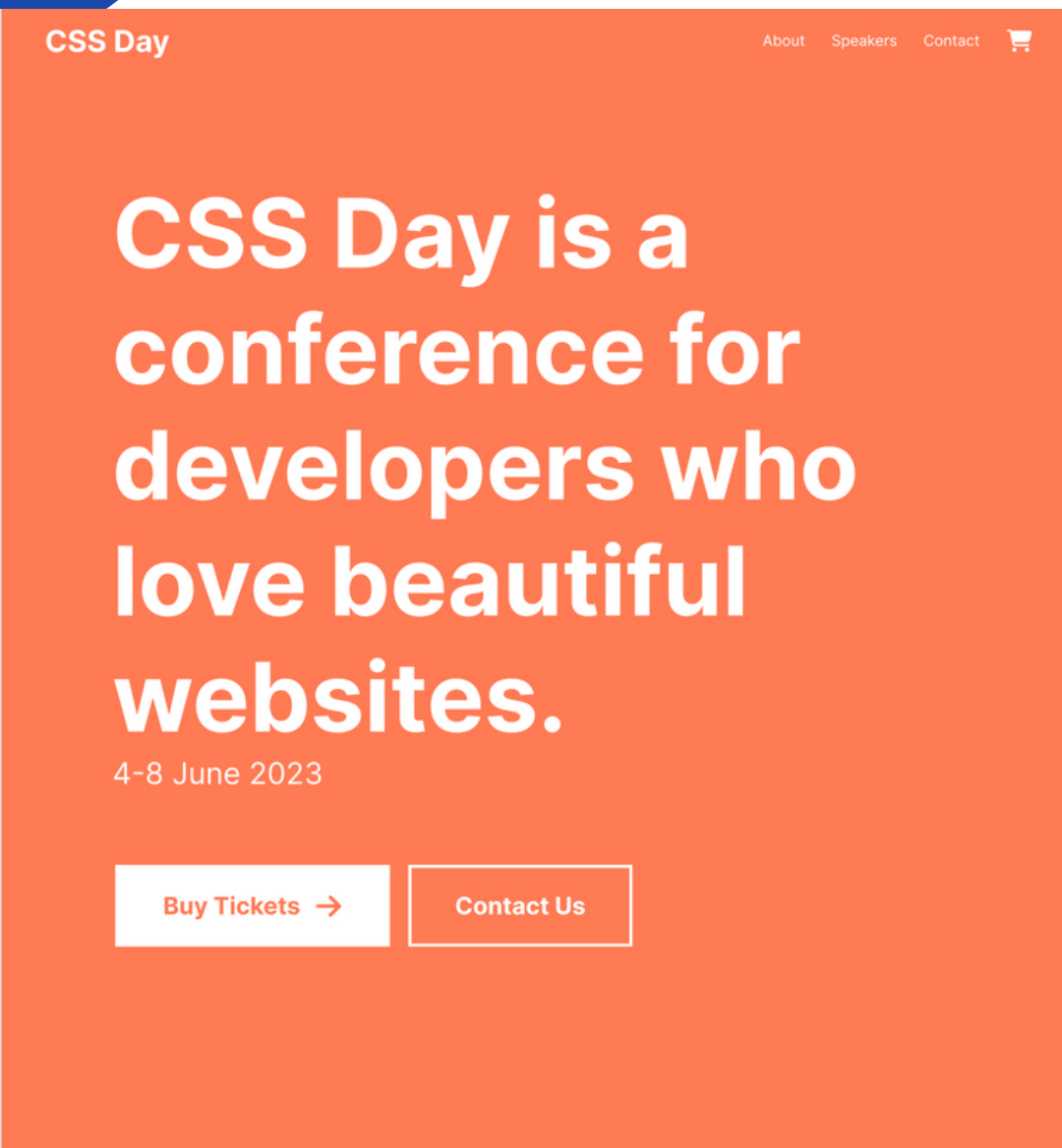


Project Overview



What we're building


[design files](#)

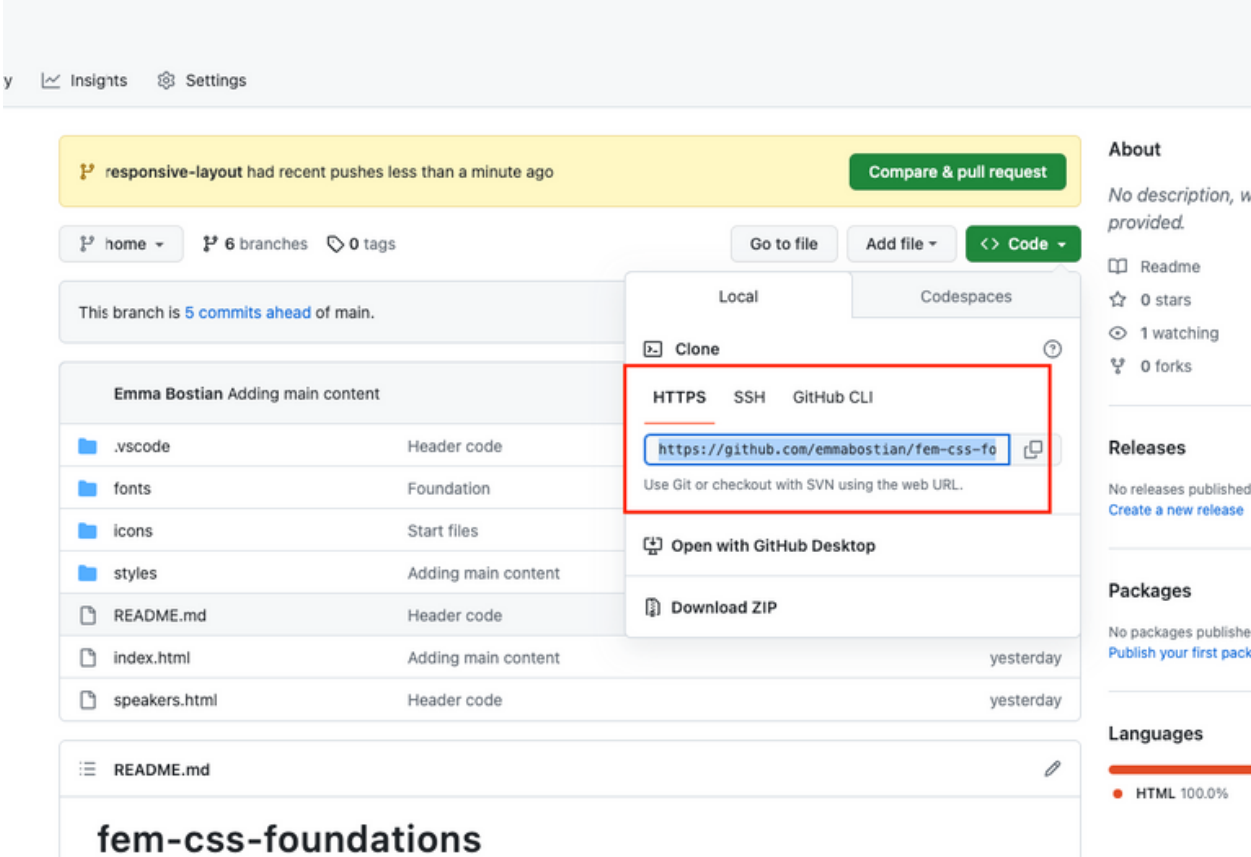




How To Follow Along

<https://github.com/emmabostian/fem-css-foundations>

1. Fork the repository
 2. Clone the repository
 3. Open the cloned repo in your code editor (vSCoDe)
- 



The screenshot shows the GitHub interface for the repository 'fem-css-foundations' by user 'emmabostian'. The repository is 5 commits ahead of main. A file tree is visible on the left, including files like .vscode, fonts, icons, styles, README.md, index.html, and speakers.html. The 'Code' dropdown menu is open, showing options for cloning the repository via HTTPS, SSH, or GitHub CLI. The HTTPS URL 'https://github.com/emmabostian/fem-css-fo' is highlighted in a red box. Other options include 'Open with GitHub Desktop' and 'Download ZIP'. The right sidebar shows repository statistics: 0 stars, 1 watching, 0 forks, and 0 releases.



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