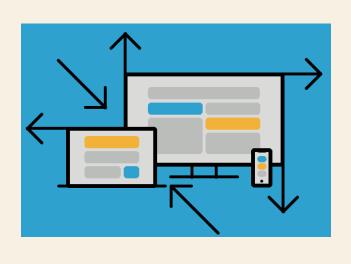


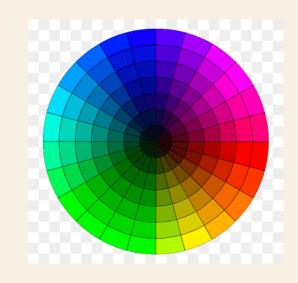
CSS UNITS & VALUES

LENGTH

COLORS

IMAGES / BACKGROUNDS







em, rem, px, cm, mm, in, pt, vw, vh, % rgb, rgba, hsl, hsla, hwb, hexadecimal, keywords, opacity, alpha,

backgroundimages, gradient, position

LENGTH

ABSOLUTE

MDN: https://developer.mozilla.org/en-US/docs/Learn/CSS/Building_blocks/Values_and_units#numbers_lengths_and_percentages

Unit	Name	Equivalent to	
cm	Centimeters	1cm = 37.8px = 25.2/64in	
mm	Millimeters	1mm = 1/10th of 1cm	
Q	Quarter-millimeters	1Q = 1/40th of 1cm	
in	Inches	1in = 2.54cm = 96px	
рс	Picas	1pc = 1/6th of 1in	
pt	Points	1pt = 1/72nd of 1in	
рж	Pixels	1px = 1/96th of 1in	

LENGTH

Relative

MDN: https://developer.mozilla.org/en-US/docs/Learn/CSS/Building_blocks/Values_and_units#numbers_lengths_and_percentages

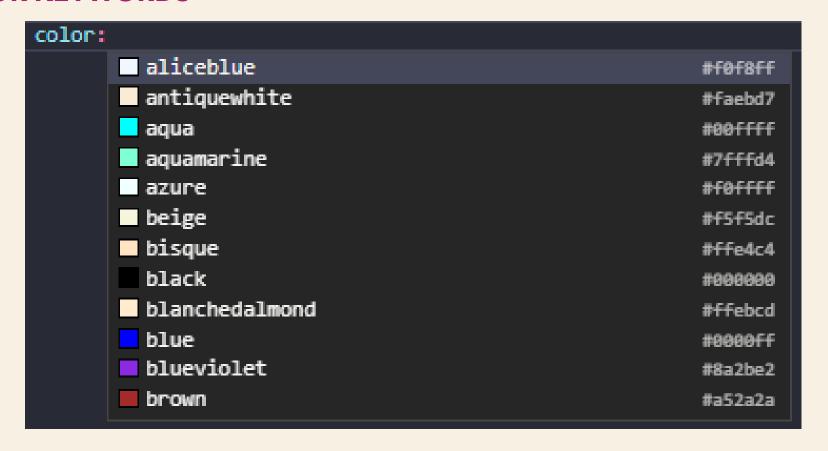
Unit	Relative to	vh	1% of the viewport's height.	
	Font size of the parent, in the case of typographical properties like <u>font-size</u> , and font size of the element itself, in the case of other properties like <u>width</u> .	vmin	1% of the viewport's smaller dimension.	
em		vmax	1% of the viewport's larger dimension.	
ex	x-height of the element's font.		1% of the size of the initial containing block in the direction of the root element's block axis.	
ch	The advance measure (width) of the glyph "0" of the element's font.		1% of the size of the initial containing block in the direction of the root element's inline axis.	
rem	Font size of the root element.	vi		
1h	Line height of the element. Line height of the root element. When used on the font-size or line-		1% of the <u>small viewport</u> 's width and height, respectively.	
rlh	height properties of the root element, it refers to the properties' initial value.	lvw, lvh	1% of the <u>large viewport</u> 's width and height, respectively.	
VW	1% of the viewport's width.	dvw,	1% of the <u>dynamic viewport</u> 's width and height, respectively.	

% Percentage: Represent a fraction of some other value, they are always relative to another quantity

COLOR

Modern computers supports 24-bit colors = 16,777,216 values

COLOR KEYWORDS



W3C wiki: https://www.w3.org/wiki/CSS/Properties/color/keywords

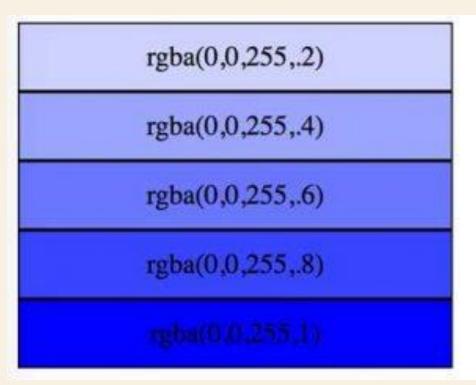


#C82A54	#EF280F	#E36B2C	#E36B2C
#E7D40A	#6DC36D	#02AC66	#23BAC4
#109DFA	#024A86	#E69DFB	#FF689D
#ECECEC	#ВВА9ВВ	#8C4966	#222222

- Coolors: https://coolors.co/
- Adobe Color Wheel: <u>https://color.adobe.com</u> /es/create/color-wheel
- Color Hunt: https://colorhunt.co/

+ 6 hexadecimal number between 16 values (0123456789abcdef)

RGB AND RGBA VALUES (RED, GREEN, BLUE, ALPHA)

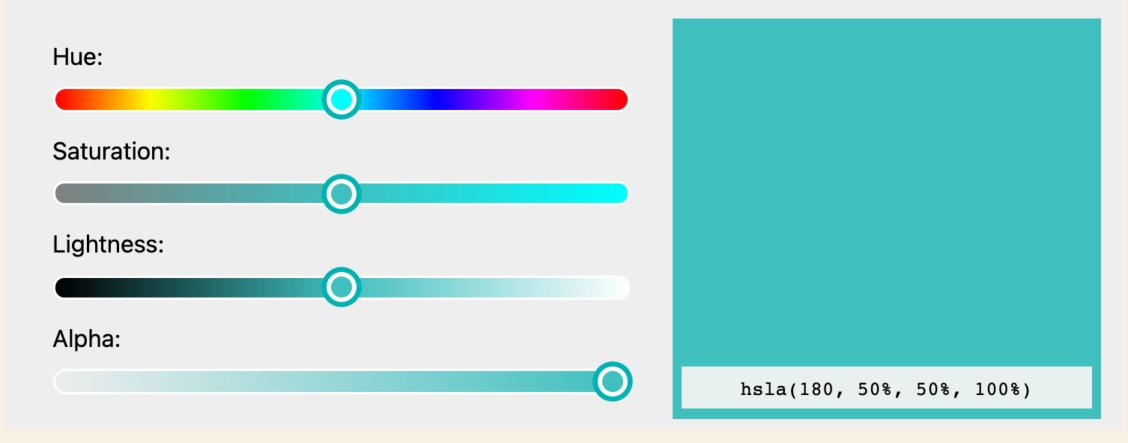


```
.caja-1{background-color:rgba(0,0,255,.2);}
.caja-2{background-color:rgba(0,0,255,.4);}
.caja-3{background-color:rgba(0,0,255,.6);}
.caja-4{background-color:rgba(0,0,255,.8);}
.caja-5{background-color:rgba(0,0,255,1);}
```

Decimal number Between 0 and 255. Alpha between 0 & 1.

- RGBA Color Picker: <u>https://rgbacolorpicker.com/</u>
- W3 Schools Color Picker:
 https://www.w3schools.com/colors/colo





H -> values between 0 and 360

S L A -> values between 0 and 100%

OPACITY VS ALPHA

- When you use opacity you make the element and everything inside it opaque.
- Alpha only makes the color you are specifying opaque.

Opacity affects
children

Alpha doesn't affect
children



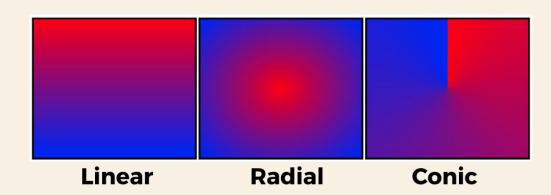


IMAGES

The image value type is used wherever an image is a valid value

BACKGROUND-IMAGE AND GRADIENT

- .image { background-image: url(star.png); }
- .gradient { background-image: linear-gradient(90deg, rgba(119,0,255,1) 39%, rgba(0,212,255,1) 100%); }

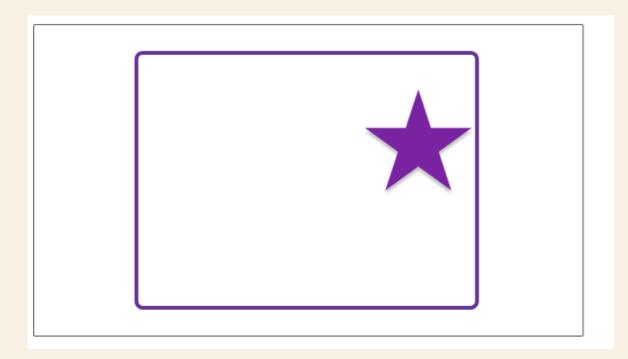




https://medium.com/@beingrahul/uses-of-linear-gradient-in-css-df3e88df678d

POSITION

2d Coordinates: right, left, center, bottom , top



```
.box {
  height: 300px;
  width: 400px;
  background-image: url(star.png);
  background-repeat: no-repeat;
  background-position: right 40px;
}
```

THANK YOU WDD 230 - Week 5 - Winter 2023