

FORMATTARE TESTO

Formattare il testo

- Proprietà relative ai font
 - font-family, font-size, font-weight , font-style, ...
- Proprietà relative al testo
 - color, line-height, text-decoration, text-align, ...

FONT

font family

- forniamo una lista di "typeface" da applicare al testo

```
body { font-family: Arial;}
```

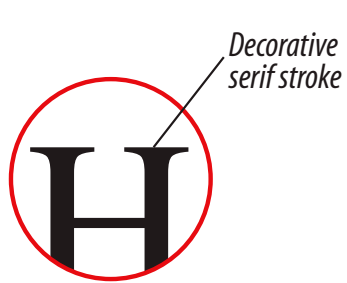
```
code { font-family: Courier, monospace;}
```

```
p { font-family: "Times New Roman", Times, serif;}
```

- Regole:
 - Tutti i font cominciano con la lettera maiuscola, tranne i font generici
 - Sono separati da virgole
 - Se il loro nome contiene spazi vanno fra virgolette

Famiglie di font

Serif



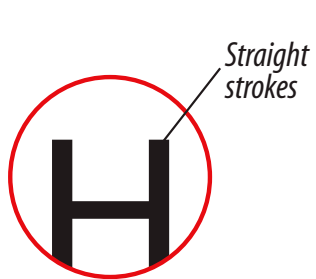
Hello
Times

Hello
Georgia

Hello
Times New Roman

Hello
Lucida (Mac)

Sans-serif



Hello
Veranda

Hello
Trebuchet MS

Hello
Arial

Hello
Arial Black

F

Sans-serif

F

Serif

F

Serif
(red serifs)

Famiglie di font

Monospace

W i

*Monospace font
(equal widths)*

W i

*Proportional font
(different widths)*

Hello

Courier

Hello

Courier New

Hello

Andale Mono

Cursive

Hello

Apple Chancery

Hello

Comic Sans

Hello

Snell

Fantasy

Hello

Imapct

HELLO

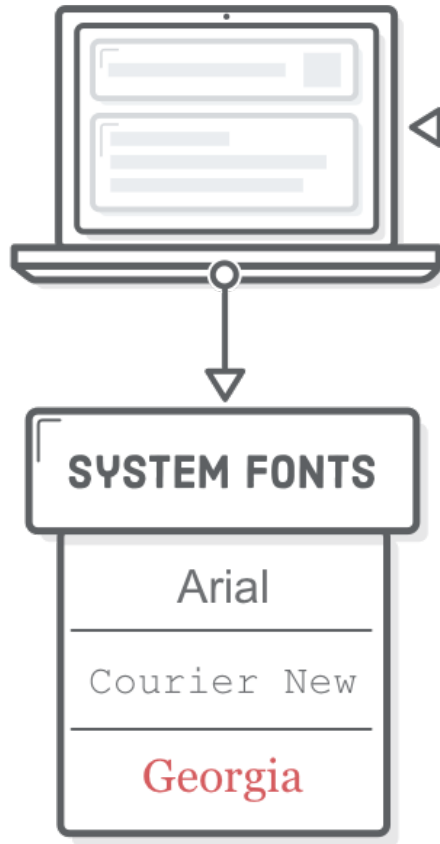
Stencil

HELLO

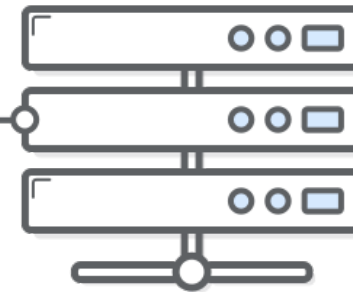
Mojo

Font e Sistemi Operativi

USER'S COMPUTER



WEB SERVER



FONT-FAMILY: **GEORGIA**



font e OS

- Non tutti i font sono disponibili!!
 - dipendono dal **sistema operativo**
 - sono installati nel pc

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

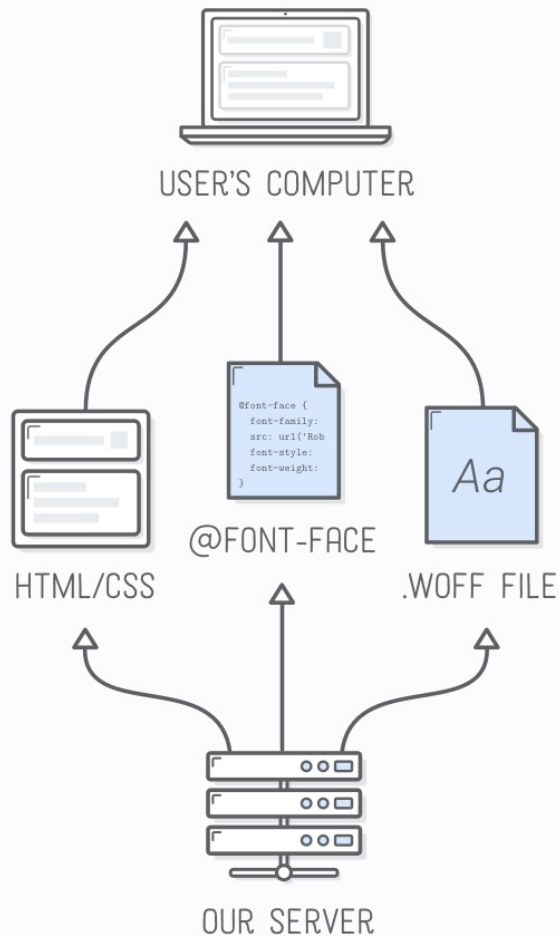
Mac				Windows			
<i>Serif</i>	%	<i>Sans-serif</i>	%	<i>Serif</i>	%	<i>Sans-serif</i>	%
Times	96.23	Helvetica	99.71	Georgia	98.55	Verdana	99.40
Georgia	94.20	Geneva	98.84	Times New Roman	98.60	Tahoma	99.30
Times New Roman	93.62	Lucida Grande	99.13	Palatino Linotype	98.04	Arial	99.15
Hoefler Text	88.70	Arial	97.10	Book Antiqua	86.09	Trebuchet MS	99.00
Baskerville	88.60	Verdana	96.81	Garamond	86.24	Lucida Sans Unicode	98.25
Didot	87.72	Helvetica Neue	94.74	Cambria	54.51	Franklin Gothic Medium	97.89
Big Caslon	85.10	Trebuchet MS	94.20	Constantia	53.81	Calibri	54.76
Palatino	79.71	Gill Sans	91.52	Goudy Old Style	51.30	Candara	54.31
Lucida Bright	64.90	Futura	91.01	Baskerville Old Face	49.10	Gill Sans MT	51.74
Garamond	23.84	Optima	90.14	Bodoni MT	47.89	Segoe UI	45.04

Strategia di stack

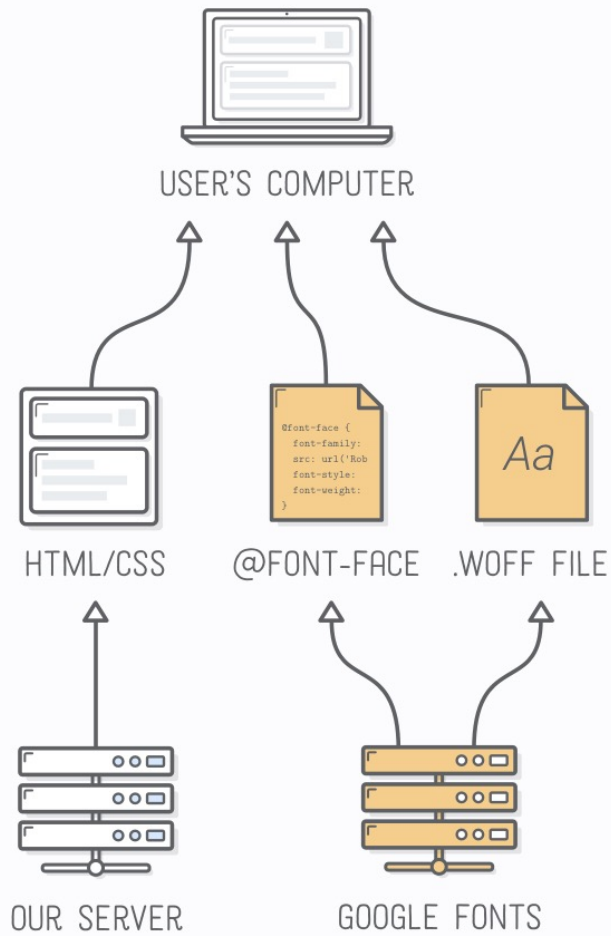
- **Si specifica il font desiderato e quindi delle opzioni alternative simili**
- **Esempio**
 - font-family: Verdana, Geneva, sans-serif;
 - font-family: Georgia, "Times New Roman", Times, serif;
 - font-family: "Courier New", Courier, monospace;
 - font-family: Arial, Helvetica, sans-serif;
 - font-family: Tahoma, Geneva, sans-serif;
 - font-family: "Trebuchet MS", Arial, Helvetica, sans-serif;
 - font-family: "Arial Black", Gadget, sans-serif;
 - ...

Web Font

LOCALLY HOSTED FONTS



EXTERNALLY HOSTED FONTS

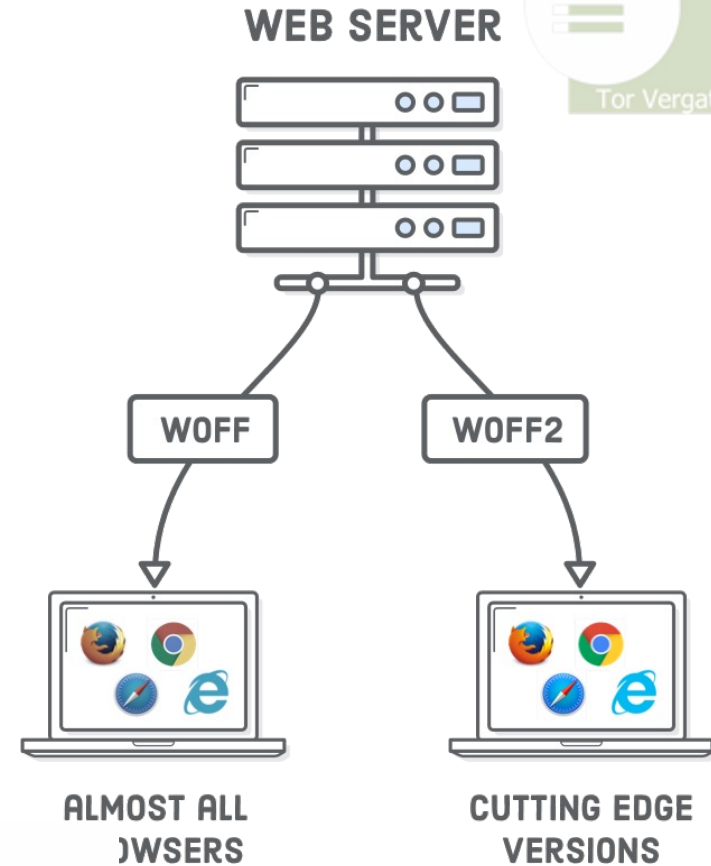


Locally Hosted Font

- Scarica un font e aggiungilo al tuo progetto.
- Incorporare il font nel foglio di stile.
- Usa il font altrove nel foglio di stile.

```
@font-face {
  font-family: 'Roboto';
  src: url('Roboto-Light-webfont.woff') format('woff');
}
```

```
body {
  font-family: 'Roboto', sans-serif; /* Add 'Roboto' here */
  font-size: 18px;
  line-height: 1.8em;
  color: #5D6063;
}
```



Web Font Esterne

<http://www.google.com/fonts>

- Soluzione 1 - link

```
<link href="https://fonts.googleapis.com/css2?family=Roboto&display=swap"
rel="stylesheet">
```

- Soluzione 2 - import

```
@import url('https://fonts.googleapis.com/css2?family=Roboto&display=swap');
```

- Uso il font

```
font-family: 'Roboto', sans-serif;
```


font-size

Specifica la dimensione del carattere

- `h1 { font-size: 150%; }`
- `h1 { font-size: 22px; }`
- `h1 { font-size: 1.5em; }`
- `h1 { font-size: x-large; }`
- `h1 { font-size: larger; }`



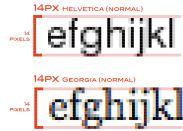
- Valori ammessi

- length unit | percentage
- xx-small | x-small | small | medium | large | x-large | xx-large
- smaller | larger

UNITÀ DI MISURA

https://www.w3schools.com/cssref/css_units.asp

Pixel



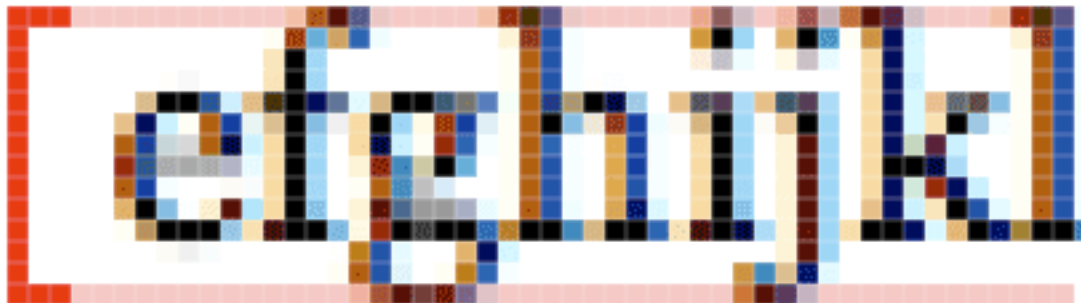
14PX HELVETICA (NORMAL)

14
PIXELS



14PX GEORGIA (NORMAL)

14
PIXELS



Unità di misura relative

- **px** pixel, considered relative in CSS2.1 because it varies with display resolution
- **em** a unit of measurement equal to the current font size
- **%** relative to the parent element

Nuove in CSS3

- **rem** root em, equal to the em size of the root element (**html**)
- **ch** zero width, equal to the width of a zero (0) in the current font and size
- **vw** viewport width unit, equal to 1/100 of the current viewport (browser window) width
- **vh** viewport height unit, equal to 1/100 of the current viewport height
vm viewport minimum unit, equal to the value of **vw** or **vh**, whichever is smaller

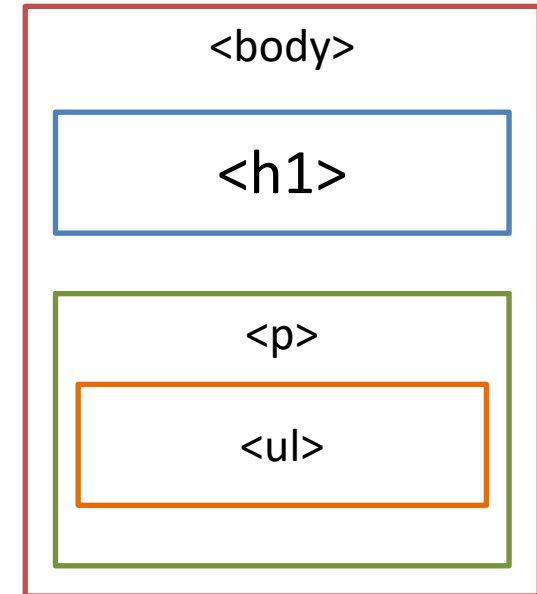
% e em

Specifico il size rispetto al valore **ereditato**

- % la percentuale
- **em** la frazione

- Esempio

- `body { font-size: 100%; } /* 16px */`
- `h1 { font-size: 150%; } /* 150% of 16 = 24 */`
- `p { font-size: 0.875em; } /* 0.875 * 16 = 14 */`
- `ul { font-size: 1.2857142857em; }`
`/* calcolo della frazione 18 / 14 = 1.2857142857 */`



Unità di misura assolute

- **px** pixel, defined as an absolute measurement equal to **1/96 of an inch** in CSS3
- **pt** points (1/72 inch in CSS2.1)
- **pc** picas (1 pica = 12 points)
- **mm** millimeters
- **cm** centimeters
- **in** inches (2.54 cm)

- Non c'è certezza di rendering, non vanno usate a video

Size keywords

This is an example of the default text size in Verdana.

xx-small | x-small | small | medium | large | x-large | **xx-large**

This is an example of the default text size in Times.

xx-small | x-small | small | medium | large | x-large | **XX-large**

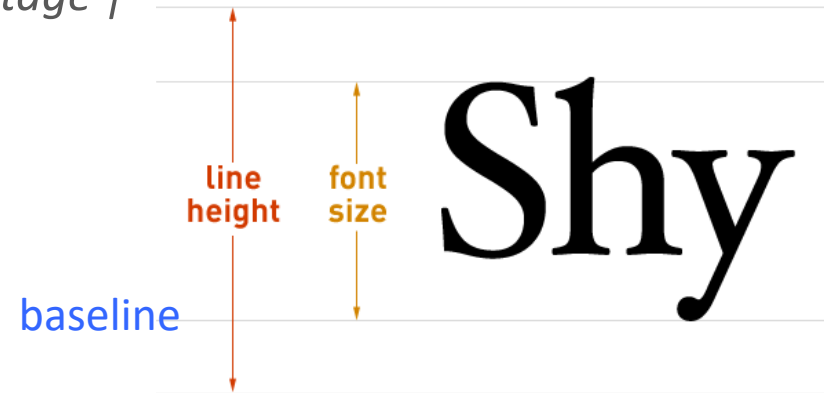
- **Non si usano molto perché non riesco a predire il risultato**

font-weight e font-style



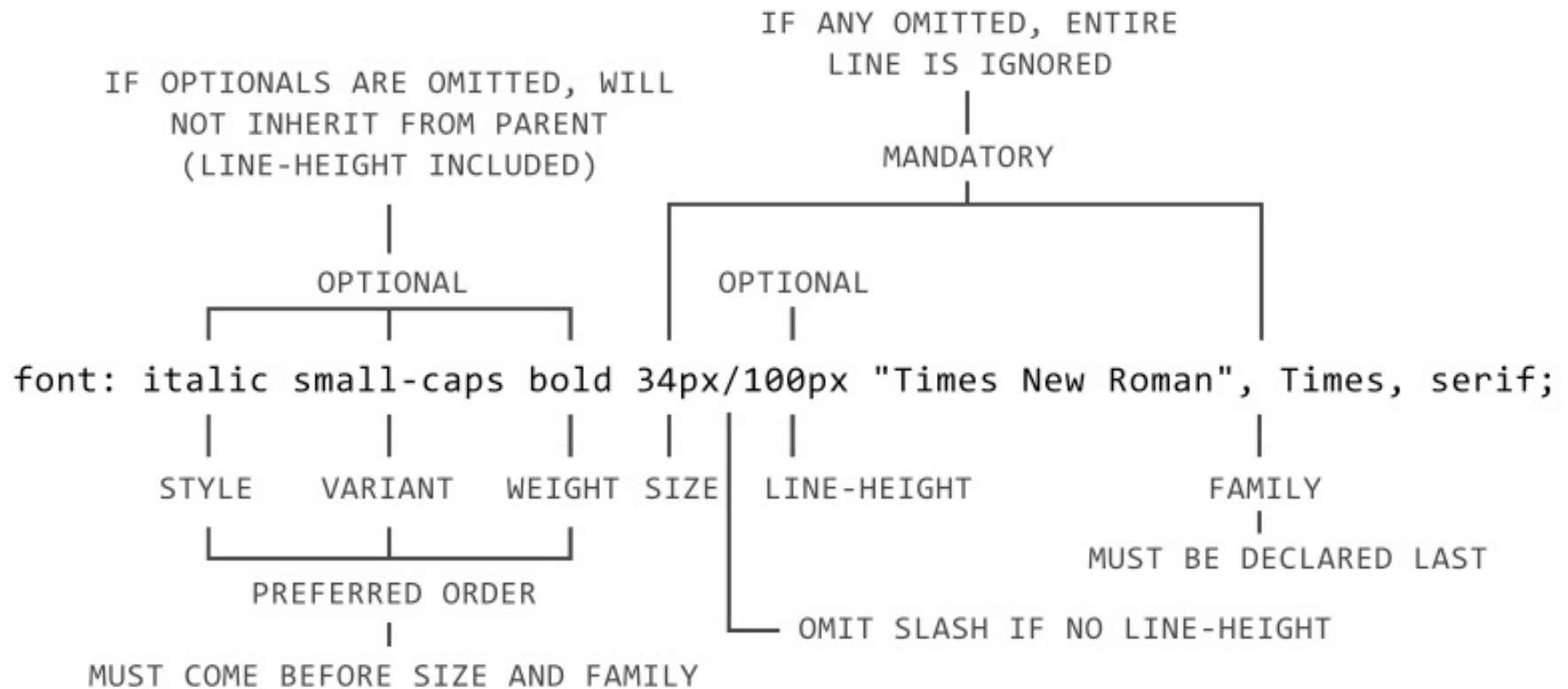
line-height

- altezza del rigo
- Valori
 - *number / length measurement / percentage /*
 - normal
all elements
yes
- Esempio
 - `p { line-height: 2; }`
 - `p { line-height: 2em; }`
 - `p { line-height: 200%; }`



- Il rapporto fra l'altezza del rigo e il font è importante per la leggibilità

CSS FONT SHORTHAND PROPERTY CHEAT SHEET by IMPRESSIVE WEBS



TESTO E COLORI

color

- **colore del testo**

- viene ereditato dagli elementi
- non influenza solo il testo

- `h1 { color: grey; }`

- `h1 { color: #666666; }`

- `h1 { color: #666; }`

- `h1 { color: rgb(102,102,102); }`

- https://www.w3schools.com/css/css_colors.asp

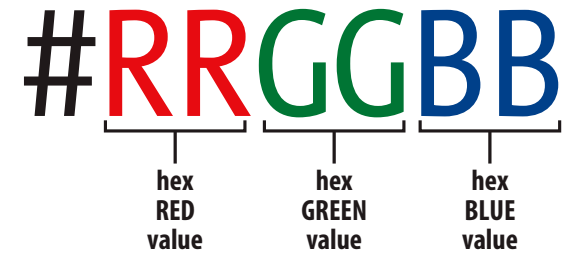
nomi dei colori

			
Black #000000	Gray #808080	Silver #C0C0C0	White #FFFFFF
			
Maroon #800000	Red #FF0000	Purple #800080	Fuchsia #FF00FF
			
Green #008000	Lime #00FF00	Olive #808000	Yellow #FFFF00
			
Navy #000080	Blue #0000FF	Teal #008080	Aqua #0000FF
			
Orange (CSS 2.1) #FFA500			

Colori RGB

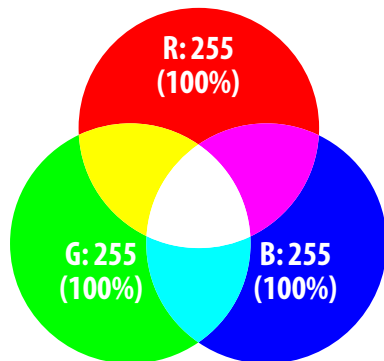
- Specifico il colore con tre valori numerici

- quantità di rosso, di verde e di blu
- sono tre byte

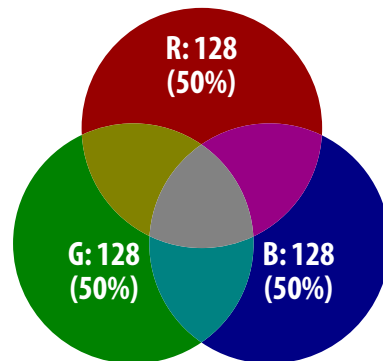


- Valori per colore

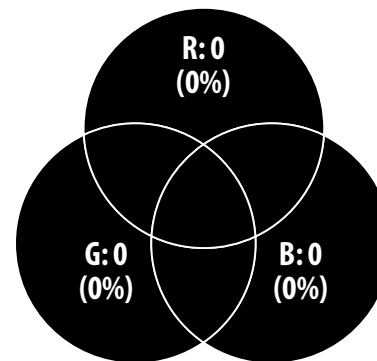
- percentuale del colore
- valore numerico:
 - decimale da 0 a 255
 - esadecimale da 0x00 a 0xFF



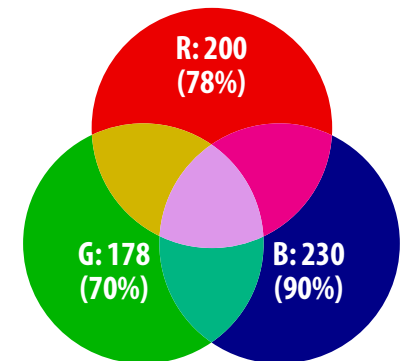
RGB: 255, 255, 255
White



RGB: 128, 128, 128
Gray



RGB: 0, 0, 0
Black



RGB: 200, 178, 230
Pleasant lavender

RGBa

- RGB + canale alfa
 - controllo il livello di trasparenza

Playing with RGBa

Playing with RGBa

Playing with RGBa

```
h1 {color: rgba(0, 0, 0, .1);}
```

```
h1 {color: rgba(0, 0, 0, .5);}
```

```
h1 {color: rgba(0, 0, 0, 1);}
```


TEXT

text-align

- allineamento orizzontale
- Valori: left / right / center / justify

text-align: left

Paragraph 1. The text-align property controls the horizontal alignment of the text within an element. It does not affect the alignment of the element on the page. The resulting text behavior of the various values should be fairly intuitive.

text-align: right

Paragraph 2. The text-align property controls the horizontal alignment of the text within an element. It does not affect the alignment of the element on the page. The resulting text behavior of the various values should be fairly intuitive.

text-align: center

Paragraph 3. The text-align property controls the horizontal alignment of the text within an element. It does not affect the alignment of the element on the page. The resulting text behavior of the various values should be fairly intuitive.

text-align: justify

Paragraph 4. The text-align property controls the horizontal alignment of the text within an element. It does not affect the alignment of the element on the page. The resulting text behavior of the various values should be fairly intuitive.

https://www.w3schools.com/css/tryit.asp?filename=trycss_text-align

text-decoration

- decorazioni del testo

- Valori

- none / underline / overline / line-through / blink

- Esempio

- a { text-decoration: none; }

I've got laser eyes.
text-decoration: underline

I've got laser eyes.
text-decoration: overline

~~I've got laser eyes.~~
text-decoration: line-through

text-transform

- cambia maiuscole e minuscole

- **Valori**

- none
- capitalize
- lowercase
- uppercase

And I know what you're thinking.

text-transform: none (as was typed in)

And I Know What You'Re Thinking.

text-transform: capitalize

and i know what you're thinking.

text-transform: lowercase

AND I KNOW WHAT YOU'RE THINKING.

text-transform: uppercase

text-indent

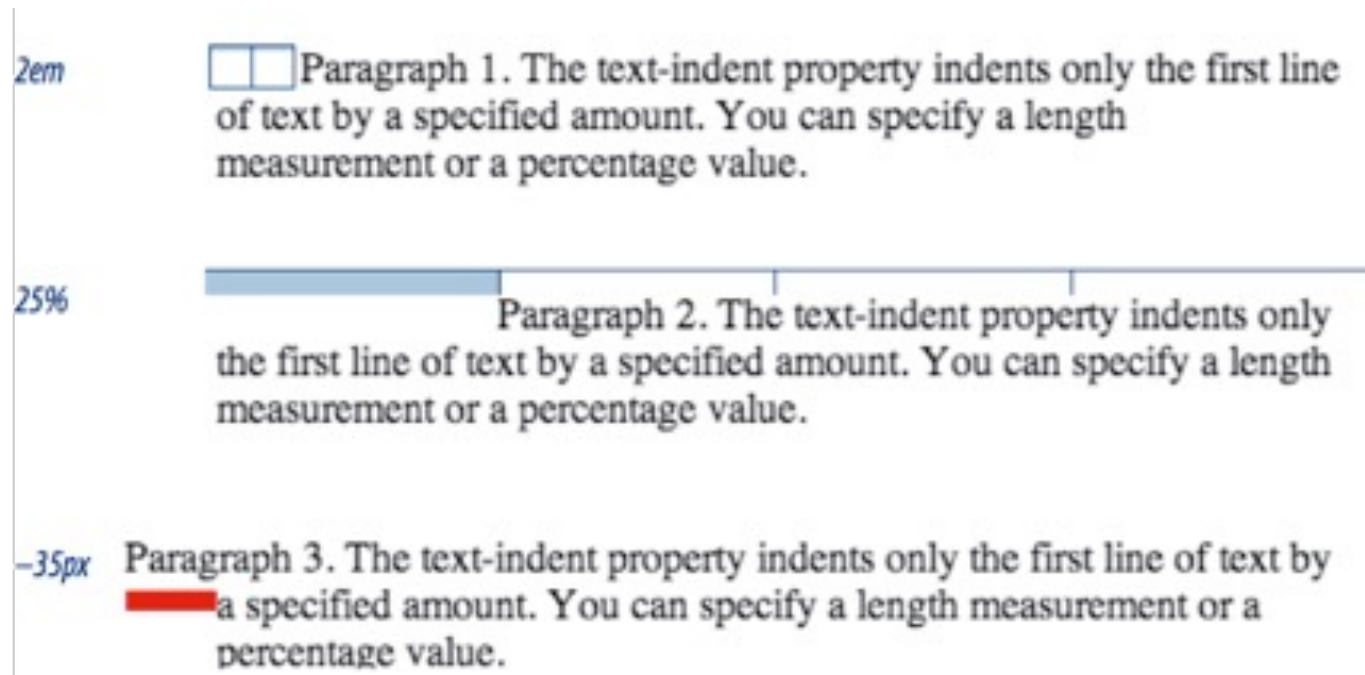
- indentazione del primo rigo

- **Valore**

- *length measurement*
- *percentage*

Esempio

```
p#1 { text-indent: 2em; }
p#2 { text-indent: 25%; }
p#3 { text-indent: -35px; }
```



text-shadow

- ombra sul testo
- *Values*

– ‘horizontal offset’ ‘vertical offset’ ‘blur radius’ ‘color’

The Jenville Show

text-shadow: .2em .2em silver

The Jenville Show

text-shadow: -.3em -.3em silver;

The Jenville Show

text-shadow: .2em .2em **.05 em** silver

The Jenville Show

text-shadow: .2em .2em **.15 em** silver

The Jenville Show

text-shadow: .2em .2em **.3 em** silver

ombre multiple

Multiple shadows

The Jenville Show

```
text-shadow: -.7em -.5em .2em silver,
             .2em .2em .1em gray;
```

Raised look

The Jenville Show

```
body {background-color: thistle;}
h1 {
  color: #ba9eba;
  text-shadow:
    -.05em -.05em .05em white,
    .03em .03em .05em purple;
}
```

Outer glow

The Jenville Show

```
text-shadow: 0 0 .7em purple;
```

Embossed look

The Jenville Show

```
body {background-color: thistle;}
h1 {
  color: #ba9eba;
  text-shadow:
    -.05em -.05em .05em purple,
    .03em .03em .05em white;
}
```

letter-spacing e word-spacing

- **Valori**

- *length measurement* / normal

- **Esempio**

- `p { letter-spacing: 8px; }`
`p { word-spacing: 1.5em; }`

letter-spacing: 8px;

B l a c k G o o s e B i s t r o S u m m e r M e n u

word-spacing: 1.5em;

Black Goose Bistro Summer Menu

Riassunto

font-family: font utilizzato, e.g. Helvetica, Arial

font-size: dimensione del testo, e.g. 60px, 3em

font-weight: Quanto è grassetto il testo, e.g. bold

font-style: Che stile è il testo e.g. italic

line-height: spaziatura tra le righe, e.g. 2em

color: colore del testo, e.g. #000. #abedef

text-decoration: imposta effetti sul testo, e.g. underline, overline, none

text-align: Come è allineato il testo, e.g. center

letter-spacing: spaziatura tra le lettere, e.g. 5px

text-indent: rientro della prima riga, e.g. 2em

text-transform: trasforma il testo, e.g. upper-case, lowercase, capitalize

vertical-align: Allineare rispetto alla linea di base, e.g. text-top