

# Converting Colors

XYZ(51.8263, 66.3127, 63.0123)

Have a look what the booklet for  
XYZ(51.8263, 66.3127, 63.0123)  
contains.

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# Color

**XYZ(51.8452, 66.3403,  
62.8958)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FE3C5
RGB	159, 227, 197
RGB Percent	62%, 89%, 77%
CMY	0.3765, 0.1098, 0.2274
CMYK	0.30, 0.00, 0.13, 0.11
HSL	154°, 55%, 76%
HSV	154°, 30%, 89%
XYZ	51.8452, 66.3403, 62.8958
YIQ	203.2480, -30.8980, -23.7460

# Conversions

## Conversions Part 2

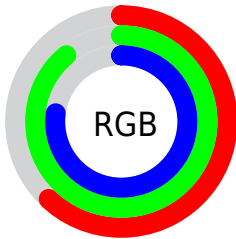
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 203, 227
Decimal	10478533
CIELab	85.17, -27.54, 7.87
CIELCh	85, 28.645, 164.063
Yxy	66.3403, 0.2863, 0.3664
Android (android.graphics.Color)	4288668613 (0xFF9FE3C5)
YUV	203.2480, -3.0803, -38.8055
Hunter-Lab	81.4496, -28.9159, 11.2306

# Details

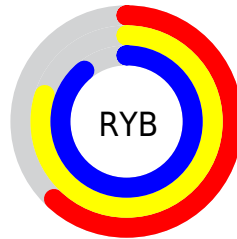
The XYZ color **51.8452, 66.3403, 62.8958** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53.2643, 44.8029, 53.9872**, and the grayscale version is **56.9547, 59.9208, 65.2537**.

A 20% lighter version of the original color is **81.6737, 93.1228, 107.4358**, and **25.3465, 34.1122, 31.2350** is the 20% darker color. If you saturate the color by 10%, you get **46.6409, 63.7874, 56.8601**, and if you desaturate by 10%, it is **57.9561, 69.3553, 69.3749**.

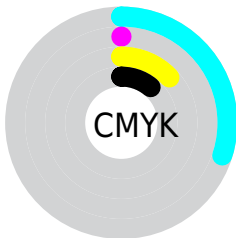
# Distribution



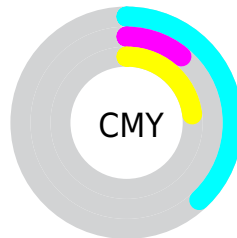
- Red (62%)
- Green (89%)
- Blue (77%)



- Red (62%)
- Yellow (80%)
- Blue (89%)



- Cyan (30%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)




- Cyan (38%)
- Magenta (11%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8452, 66.3403, 62.8958 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 51.8452, 66.3403, 62.8958 by changing the saturation by 10% instead.





 51.8452, 66.3403,  
62.8958


 51.8452, 66.3403,  
62.8958


384.1725,  
447.5929, 453.2888

 37.1055, 48.5487,  
45.3165


 92.0785, 113.9746,  
110.6033

 25.4632, 34.2616,  
31.3620

 118.3027,  
144.5861, 141.5685

 16.5531, 23.0947,  
20.6139


149.0859,  
180.2397, 177.8328

 10.0097, 14.6634,  
12.6536

184.7933,  
221.3198, 219.8147

 5.4677, 8.5835,  
7.0625

225.7903,  
268.2108, 267.9326

 2.5618, 4.4705,  
3.4222

272.4423,

 0.9265, 1.9401,

321.2970, 322.6053

1.3140

325.1145,  
380.9629, 384.2512

0.0000, 0.5723,  
0.0733

0.0000, 0.0000,  
0.0000

51.8452, 66.3403,  
62.8958

51.8452, 66.3403,  
62.8958

46.6409, 63.7874,  
56.8601

57.9561, 69.3553,  
69.3749

42.2909, 61.6645,  
51.2533


65.0114, 72.8464,  
76.3022


38.7458, 59.9481,  
46.0667


73.0532, 76.8370,  
83.6886


35.9489, 58.6090,  
41.2895


82.1197, 81.3465,  
91.5427


 33.8352, 57.6141,  
36.9102

 85.5110, 82.9209,  
99.5580

 32.3279, 56.9239,  
32.9164

 86.7603, 83.4206,  
106.1368

 31.2954, 56.4708,  
29.2930

 31.2913, 56.4690,  
29.2779

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.8019, 66.3403, 49.5606



51.8452, 66.3403, 62.8958



51.7529, 66.3403, 81.2297

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.8452, 66.3403, 62.8958



66.1221, 66.3403, 112.5439



72.4114, 66.3403, 50.2039

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



51.8452, 66.3403, 62.8958



53.2643, 44.8029, 53.9872

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.8921, 66.3403, 63.9270



51.8452, 66.3403, 62.8958



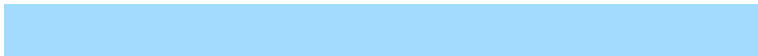
72.0966, 66.3403, 100.9411

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51.8452, 66.3403, 62.8958



59.7037, 66.3403, 112.1393



75.7731, 66.3403, 82.4521



66.5283, 66.3403, 43.1339



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.8452, 66.3403, 62.8958



53.3107, 66.3403, 94.0546



75.7731, 66.3403, 82.4521



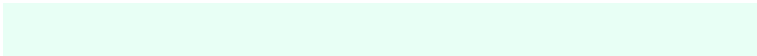
73.9185, 66.3403, 54.0787

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



51.8470, 66.3430, 62.8973



85.5172, 95.2691, 100.1673



54.8647, 68.3400, 43.1011



17.9958, 20.2387, 21.1477



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.8470, 66.3430, 62.8973



63.1066, 84.2082, 76.8800



54.7137, 66.0163, 82.5349



14.5248, 16.2234, 17.0286



18.3080, 32.9553, 17.3883



1.3994, 2.4539, 1.5301



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



53.2643, 44.8029, 53.9872



65.2361, 51.8708, 63.5133



50.9294, 44.8175, 38.7682



14.6398, 14.4731, 16.3038



19.8774, 10.0852, 8.2493

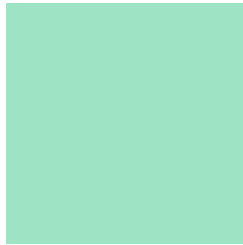


1.5149, 0.7637, 0.8522



# Previews

## White Background



This preview shows how the XYZ color 51.8452, 66.3403, 62.8958 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

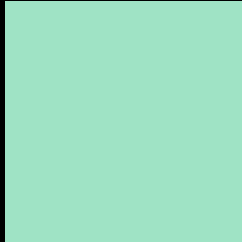
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.8452, 66.3403, 62.8958 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

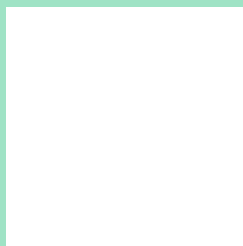
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.8452, 66.3403, 62.8958

## Background



This preview shows how black text looks on a background with the XYZ color 51.8452, 66.3403, 62.8958.



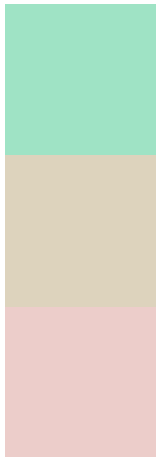
This preview shows how white text looks on a background with the XYZ color 51.8452, 66.3403,

62.8958.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

51.8452, 66.3403, 62.8958

### Protanopia

62.2984, 65.6348, 57.5294

### Deuteranopia

67.0841, 65.7598, 65.0343



## **Tritanopia**

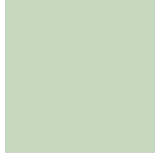
57.5849, 66.2697, 91.4176

# Trichromacy



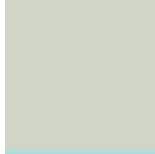
## Original Color

51.8452, 66.3403, 62.8958



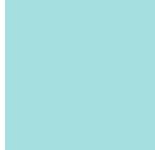
## Protanomaly

57.6160, 65.4372, 59.4631



## Deuteranomaly

60.2320, 65.1685, 64.0478



## Tritanomaly

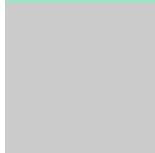
55.3593, 66.1565, 80.3727

# Monochromacy



## Original Color

51.8452, 66.3403, 62.8958



## Achromatopsia

56.7640, 59.7202, 65.0353



## Achromatomaly

54.5796, 61.8688, 64.3236

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.8452, 66.3403, 62.8958 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(159, 227, 197)` looks like.

```
.text, #text, p{  
    color:rgb(159, 227, 197)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(159, 227, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 227, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 51.8452, 66.3403, 62.8958 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 227, 197) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(159, 227, 197) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(159, 227, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 227, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 227, 197);  
box-shadow:4px 4px 4px 4px rgb(159, 227,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.8452, 66.3403, 62.8958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 227, 197) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(159,  
227, 197) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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