

# Converting Colors

XYZ(52.2159, 62.3283, 69.8091)

Have a look what the booklet for  
XYZ(52.2159, 62.3283, 69.8091)  
contains.

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# Color

**XYZ(52.2578, 62.4446,  
69.6203)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7D9D1
RGB	167, 217, 209
RGB Percent	65%, 85%, 82%
CMY	0.3451, 0.1490, 0.1804
CMYK	0.23, 0.00, 0.04, 0.15
HSL	170°, 40%, 75%
HSV	170°, 23%, 85%
XYZ	52.2578, 62.4446, 69.6203
YIQ	201.1380, -27.2320, -13.0880

# Conversions

## Conversions Part 2

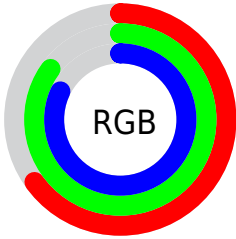
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 194, 217
Decimal	11000273
CIELab	83.15, -17.75, -1.35
CIElCh	83, 17.806, 184.362
Yxy	62.4446, 0.2835, 0.3388
Android (android.graphics.Color)	4289190353 (0xFFA7D9D1)
YUV	201.1380, 3.8760, -29.9390
Hunter-Lab	79.0219, -20.2449, 3.0793

# Details

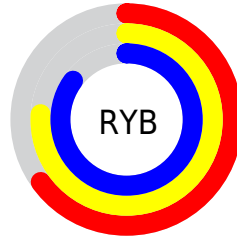
The XYZ color **52.2578, 62.4446, 69.6203** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.1740, 45.4860, 46.6952**, and the grayscale version is **55.5931, 58.4883, 63.6937**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **25.7762, 31.7846, 35.7868** is the 20% darker color. If you saturate the color by 10%, you get **47.6276, 60.1084, 67.1844**, and if you desaturate by 10%, it is **57.6702, 65.1862, 72.1444**.

# Distribution



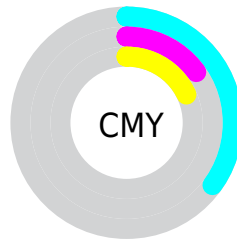
- Red (65%)
- Green (85%)
- Blue (82%)



- Red (65%)
- Yellow (76%)
- Blue (85%)



- Cyan (23%)
- Magenta (0%)
- Yellow (4%)
- Black (15%)



- Cyan (35%)
- Magenta (15%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2578, 62.4446, 69.6203 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 52.2578, 62.4446, 69.6203 by changing the saturation by 10% instead.





 52.2578, 62.4446,  
69.6203


 52.2578, 62.4446,  
69.6203


385.7387,  
433.5510, 477.9687

 37.4357, 45.3920,  
50.7422


 92.6833, 108.3678,  
120.3431

 25.7202, 31.7663,  
35.6281


 119.0174,  
138.0073, 153.0249

 16.7460, 21.1831,  
23.8597


149.9196,  
172.6112, 191.1450

 10.1478, 13.2579,  
15.0184

185.7552,  
212.5640, 235.1219

 5.5601, 7.6064,  
8.6855

226.8895,  
258.2499, 285.3742

 2.6176, 3.8441,  
4.4426

273.6880,

 0.9549, 1.5868,

310.0535, 342.3204

1.8712

326.5159,  
368.3590, 406.3791

■ 0.0000, 0.3486,  
0.4743

■ 0.0000, 0.0000,  
0.0000

■ 52.2578, 62.4446,  
69.6203

■ 52.2578, 62.4446,  
69.6203

■ 47.6276, 60.1084,  
67.1844

■ 57.6702, 65.1862,  
72.1444

■ 43.7359, 58.1502,  
64.8304


■ 63.8951, 68.3440,  
74.7544


■ 40.5426, 56.5510,  
62.5574


■ 70.9680, 71.9377,  
77.4537


■ 38.0018, 55.2872,  
60.3630


■ 78.9203, 75.9838,  
80.2439


 36.0622, 54.3322,  
58.2444


 79.8319, 76.3991,  
82.7548


 34.6644, 53.6554,  
56.1985


 80.3144, 76.5921,  
85.2961

 33.7368, 53.2200,  
54.2217

 80.8067, 76.7890,  
87.8885

 33.2857, 53.0166,  
52.8829

 81.3088, 76.9899,  
90.5324

 81.8207, 77.1946,  
93.2281

# Harmonies

## Analogous

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



52.9117, 62.4446, 59.2069



52.2578, 62.4446, 69.6203



53.4361, 62.4446, 80.7019

# Triad

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



52.2578, 62.4446, 69.6203



63.6381, 62.4446, 87.0810



62.6198, 62.4446, 50.5798

# Complementary

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



52.2578, 62.4446, 69.6203



50.1740, 45.4860, 46.6952

# 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.



65.6886, 62.4446, 56.6911



52.2578, 62.4446, 69.6203



66.2941, 62.4446, 77.6048

# Square

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



52.2578, 62.4446, 69.6203



59.9177, 62.4446, 91.4522



67.0602, 62.4446, 66.3884



58.7893, 62.4446, 48.9312



# Rectangle

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



52.2578, 62.4446, 69.6203



55.1334, 62.4446, 86.7613



67.0602, 62.4446, 66.3884



63.7799, 62.4446, 52.1452

# Sweetspot

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



52.2596, 62.4472, 69.6217



88.3285, 96.5877, 106.2023



49.5439, 61.5709, 45.8334



18.7880, 20.6139, 22.6825



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

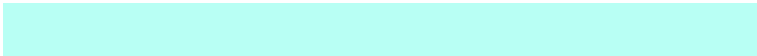


# Same Dimension

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



52.2596, 62.4472, 69.6217



71.6958, 88.1667, 98.4872



49.1942, 54.6905, 73.6121



13.3507, 14.7919, 16.3096



20.1813, 32.1052, 32.1839



1.3319, 2.0897, 2.2141



# Inverse Universe

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



50.1740, 45.4860, 46.6952



68.1509, 59.3164, 59.5033



52.6637, 51.6863, 43.7611



13.1406, 13.0853, 14.0017



17.5288, 9.0126, 1.8989

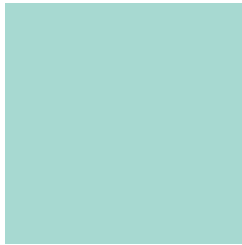


1.1625, 0.5946, 0.2645



# Previews

## White Background



This preview shows how the XYZ color 52.2578, 62.4446, 69.6203 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

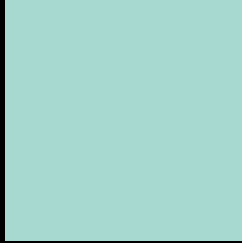
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.2578, 62.4446, 69.6203 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

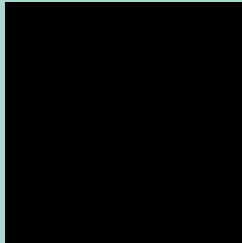
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

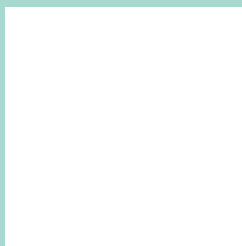
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.2578, 62.4446, 69.6203**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.2578, 62.4446, 69.6203.



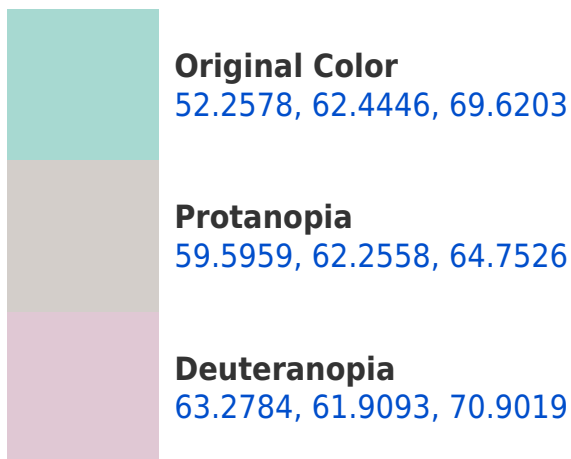
This preview shows how white text looks on a background with the XYZ color 52.2578, 62.4446,



# 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





## Tritanopia

55.2650, 62.5206, 84.7562

# Trichromacy



## Original Color

52.2578, 62.4446, 69.6203

## Protanomaly

56.5717, 62.1031, 66.7631

## Deuteranomaly

58.4578, 61.5423, 70.4258

## Tritanomaly

54.1973, 62.4746, 79.0143

# Monochromacy



## Original Color

52.2578, 62.4446, 69.6203

## Achromatopsia

55.5167, 58.4078, 63.6061

## Achromatomaly

54.1982, 59.8041, 65.8135

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.2578, 62.4446, 69.6203 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(167, 217, 209)` looks like.

```
.text, #text, p{  
    color:rgb(167, 217, 209)  
}
```

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(167, 217, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 217, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 52.2578, 62.4446, 69.6203 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(167, 217, 209) }
```



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

```
.border{ border-color:rgb(167, 217, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 217, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 217, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 217, 209);  
box-shadow:4px 4px 4px 4px rgb(167, 217,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.2578, 62.4446, 69.6203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 217, 209) }
```

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

```
.background{ background-color: rgb(167,  
217, 209) }
```

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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