

Converting Colors

XYZ(52.2298, 63.7932, 65.9091)

Have a look what the booklet for
XYZ(52.2298, 63.7932, 65.9091)
contains.

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Color

**XYZ(52.0986, 63.6052,
66.0311)**

Conversions

Conversions Part 1

Format	Color
Hex	A6DCCB
RGB	166, 220, 203
RGB Percent	65%, 86%, 80%
CMY	0.3490, 0.1372, 0.2039
CMYK	0.25, 0.00, 0.08, 0.14
HSL	161°, 44%, 76%
HSV	161°, 25%, 86%
XYZ	52.0986, 63.6052, 66.0311
YIQ	201.9160, -26.7270, -16.7350

Conversions

Conversions Part 2

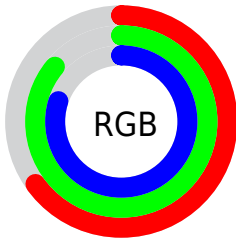
Format	Color
R_{YB}	166, 198, 220
Decimal	10935499
CIE _{Lab}	83.76, -20.80, 2.71
CIE _{LCh}	84, 20.978, 172.573
Yxy	63.6052, 0.2867, 0.3500
Android (android.graphics.Color)	4289125579 (0xFFA6DCCB)
YUV	201.9160, 0.5344, -31.4983
Hunter-Lab	79.7529, -22.9623, 6.7381

Details

The XYZ color **52.0986, 63.6052, 66.0311** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.7009, 45.9087, 50.9387**, and the grayscale version is **56.0968, 59.0182, 64.2708**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **25.6900, 32.5909, 33.3704** is the 20% darker color. If you saturate the color by 10%, you get **47.0686, 61.1071, 61.5833**, and if you desaturate by 10%, it is **57.9580, 66.5300, 70.7130**.

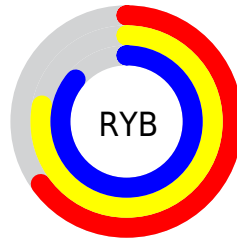
Distribution



Red (65%)

Green (86%)

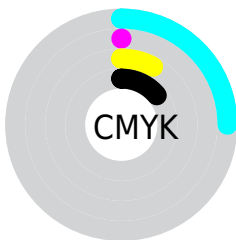
Blue (80%)



Red (65%)

Yellow (78%)

Blue (86%)

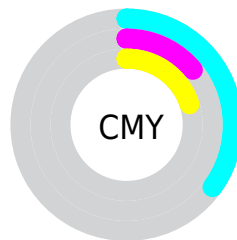


Cyan (25%)

Magenta (0%)

Yellow (8%)

Black (14%)



Cyan (35%)


Magenta (14%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.0986, 63.6052, 66.0311 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 52.0986, 63.6052, 66.0311 by changing the saturation by 10% instead.


 52.0986, 63.6052,
66.0311


 52.0986, 63.6052,
66.0311


385.1349,
437.7626, 464.8953

 37.3083, 46.3310,
47.8410


 92.4500, 110.0422,
115.1584

 25.6210, 32.5071,
33.3419


 118.7418,
139.9737, 146.9327

 16.6715, 21.7491,
22.1152


149.5981,
174.8931, 184.0721

 10.0944, 13.6727,
13.7425

185.3843,
215.1849, 226.9952

 5.5244, 7.8934,
7.8051

226.4657,
261.2333, 276.1206

 2.5960, 4.0268,
3.8845

273.2077,

 0.9439, 1.6886,

313.4228, 331.8667

1.5622

325.9756,
372.1377, 394.6521

■ 0.0000, 0.4162,
0.2636

■ 0.0000, 0.0000,
0.0000

■ 52.0986, 63.6052,
66.0311

■ 52.0986, 63.6052,
66.0311

■ 47.0686, 61.1071,
61.5833

■ 57.9580, 66.5300,
70.7130

■ 42.8220, 59.0069,
57.3609


■ 64.6792, 69.8930,
75.6289


■ 39.3163, 57.2846,
53.3607


■ 72.2992, 73.7151,
80.7842

■ 36.5031, 55.9152,
49.5779


■ 80.8516, 78.0134,
86.1829


 34.3274, 54.8703,
46.0072


 82.2136, 78.6004,
91.4472

 32.7260, 54.1176,
42.6431

 83.2491, 79.0146,
96.9005

 31.6216, 53.6171,
39.4791

 84.3243, 79.4447,
102.5622

 31.1588, 53.4145,
37.8335

 84.8844, 79.6687,
105.5115

Harmonies

Analogous

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



53.6970, 63.6052, 54.9681



52.0986, 63.6052, 66.0311



52.6471, 63.6052, 79.4449

Triad

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



52.0986, 63.6052, 66.0311



63.9153, 63.6052, 95.3883



65.9933, 63.6052, 51.0180

Complementary

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



52.0986, 63.6052, 66.0311



51.7009, 45.9087, 50.9387

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.



68.9986, 63.6052, 59.9764



52.0986, 63.6052, 66.0311



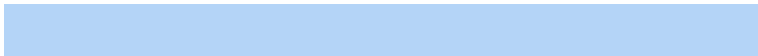
67.7571, 63.6052, 85.8255

Square

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



52.0986, 63.6052, 66.0311



59.3183, 63.6052, 97.5444



69.6600, 63.6052, 72.5827



61.6058, 63.6052, 47.0441

Rectangle

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



52.0986, 63.6052, 66.0311



54.1703, 63.6052, 87.8521



69.6600, 63.6052, 72.5827



67.2076, 63.6052, 53.4875

Sweetspot

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



52.1004, 63.6078, 66.0325



87.8934, 96.4136, 103.9107



52.0304, 64.0219, 45.6926



18.6870, 20.5735, 22.1508



0.0000, 0.0000, 0.0000



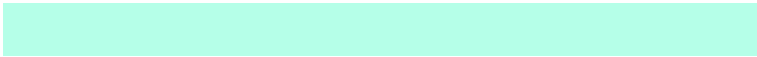
20.3446, 21.4041, 23.3091

Same Dimension

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



52.1004, 63.6078, 66.0325



69.3530, 87.1599, 89.3014



51.7175, 59.4193, 76.4565



13.2613, 14.7561, 15.8389



18.3384, 31.3680, 22.4794



1.2264, 2.0475, 1.6581

Inverse Universe

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



51.7009, 45.9087, 50.9387



68.7132, 58.7037, 65.0459



51.9059, 48.9821, 42.7962



13.2241, 13.1187, 14.4413



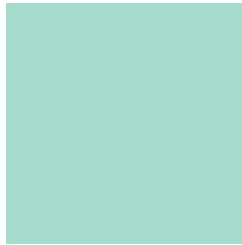
18.0021, 9.2019, 4.3911



1.2046, 0.6115, 0.4863

Previews

White Background



This preview shows how the XYZ color 52.0986, 63.6052, 66.0311 looks on a white background.

Color Contrast Check

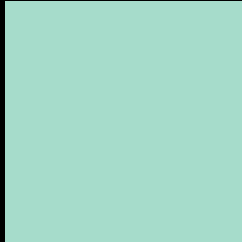
Large Text (above 18pt) WCAG AA × Fail

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 52.0986, 63.6052, 66.0311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

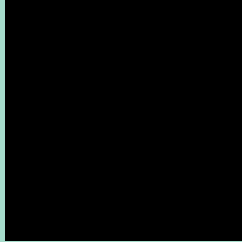
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

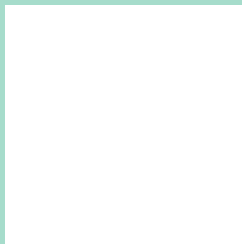
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.0986, 63.6052, 66.0311

Background



This preview shows how black text looks on a background with the XYZ color 52.0986, 63.6052, 66.0311.

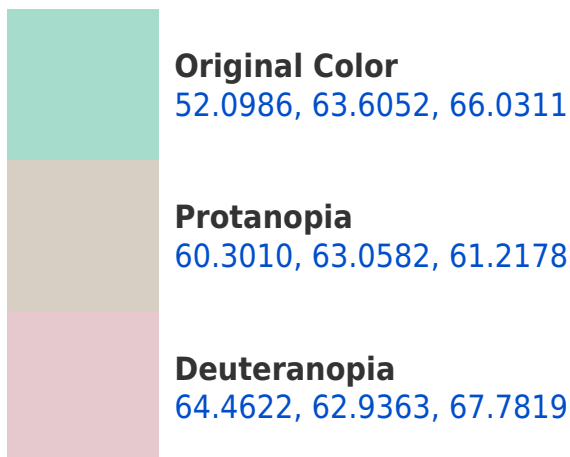


This preview shows how white text looks on a background with the XYZ color 52.0986, 63.6052,

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

56.2771, 63.7656, 86.4327

Trichromacy



Original Color

52.0986, 63.6052, 66.0311

Protanomaly

56.8782, 63.0808, 63.2108

Deuteranomaly

59.1501, 62.6898, 67.3753

Tritanomaly

54.5752, 63.4457, 78.4771

Monochromacy



Original Color

52.0986, 63.6052, 66.0311

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

54.4474, 60.6840, 64.7206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0986, 63.6052, 66.0311 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(166, 220, 203)` looks like.

```
.text, #text, p{  
    color:rgb(166, 220, 203)  
}
```

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(166, 220, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 220, 203) }
```

Border

The CSS property to change the border of an element to XYZ 52.0986, 63.6052, 66.0311 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(166, 220, 203) }
```


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

```
.border{ border-color:rgb(166, 220, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 220, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 220, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 220, 203);  
box-shadow:4px 4px 4px 4px rgb(166, 220,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0986, 63.6052, 66.0311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 220, 203) }
```

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

```
.background{ background-color: rgb(166,  
220, 203) }
```

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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