

# Converting Colors

XYZ(58.6230, 66.7754, 79.0809)

Have a look what the booklet for  
XYZ(58.6230, 66.7754, 79.0809)  
contains.

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# **Color**

**XYZ(58.5452, 66.6507,  
78.8864)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8DCDE
RGB	184, 220, 222
RGB Percent	72%, 86%, 87%
CMY	0.2784, 0.1372, 0.1294
CMYK	0.17, 0.01, 0.00, 0.13
HSL	183°, 37%, 80%
HSV	183°, 17%, 87%
XYZ	58.5452, 66.6507, 78.8864
YIQ	209.4640, -22.0980, -7.0100

# Conversions

## Conversions Part 2

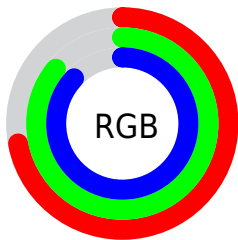
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 202, 222
Decimal	12115166
CIELab	85.33, -11.33, -4.93
CIELCh	85, 12.357, 203.499
Yxy	66.6507, 0.2869, 0.3266
Android (android.graphics.Color)	4290305246 (0xFFB8DCDE)
YUV	209.4640, 6.1802, -22.3319
Hunter-Lab	81.6399, -14.8647, -0.1424

# Details

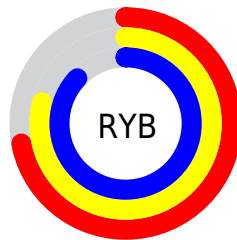
The XYZ color **58.5452, 66.6507, 78.8864** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.3353, 54.1081, 52.8234**, and the grayscale version is **60.8802, 64.0507, 69.7512**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **29.6361, 34.4461, 41.6460** is the 20% darker color. If you saturate the color by 10%, you get **53.3344, 63.5132, 78.5565**, and if you desaturate by 10%, it is **64.5965, 70.2282, 79.2591**.

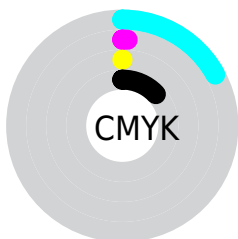
# Distribution



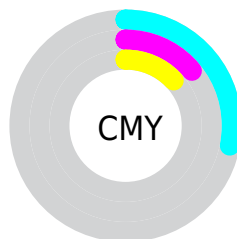
- Red (72%)
- Green (86%)
- Blue (87%)



- Red (72%)
- Yellow (79%)
- Blue (87%)



- Cyan (17%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)



- Cyan (28%)
- Magenta (14%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5452, 66.6507, 78.8864 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 58.5452, 66.6507, 78.8864 by changing the saturation by 10% instead.



■ 58.5452, 66.6507,  
78.8864

■ 58.5452, 66.6507,  
78.8864

409.1356,  
448.7004, 510.7794

■ 42.4921, 48.8008,  
58.2816

■ 101.8348,  
114.4198, 133.5961

■ 29.6796, 34.4615,  
41.6189

129.8019,  
145.1077, 168.5382

■ 19.7424, 23.2484,  
28.4797

162.4712,  
180.8438, 209.0965

■ 12.3151, 14.7770,  
18.4454

200.2078,  
222.0125, 255.6894

■ 7.0324, 8.6630,  
11.0975

243.3772,  
268.9981, 308.7357

■ 3.5289, 4.5220,  
6.0174

292.3447,

■ 1.4392, 1.9697,

322.1850, 368.6537

2.7867

347.4758,  
381.9576, 435.8621

■ 0.2839, 0.5898,  
0.9868

■ 0.0000, 0.0000,  
0.0000

■ 58.5452, 66.6507,  
78.8864

■ 58.5452, 66.6507,  
78.8864

■ 53.3344, 63.5132,  
78.5565

■ 64.5965, 70.2282,  
79.2591

■ 48.9195, 60.7875,  
78.2631


■ 71.5189, 74.2561,  
79.6717


■ 45.2606, 58.4546,  
78.0056


■ 79.3484, 78.7548,  
80.1274


■ 42.3119, 56.4910,  
77.7820


■ 81.2614, 80.2067,  
80.3068


 40.0228, 54.8705,  
77.5899


 81.5772, 80.8385,  
80.4121

 38.3358, 53.5636,  
77.4266


 81.8953, 81.4745,  
80.5181


 37.1836, 52.5356,  
77.2889

 82.2155, 82.1149,  
80.6248

 36.4779, 51.7409,  
77.1727

 82.5378, 82.7596,  
80.7322

 36.3145, 51.5329,  
77.1411

 82.8623, 83.4086,  
80.8404

# Harmonies

## Analogous

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



58.1558, 66.6507, 70.8417



58.5452, 66.6507, 78.8864



60.2045, 66.6507, 85.6673

# Triad

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



58.5452, 66.6507, 78.8864



67.7709, 66.6507, 82.1223



63.9602, 66.6507, 58.3209

# Complementary

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



58.5452, 66.6507, 78.8864



56.3353, 54.1081, 52.8234

# 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.



66.6021, 66.6507, 60.8829



58.5452, 66.6507, 78.8864



68.8436, 66.6507, 74.3288

# Square

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



58.5452, 66.6507, 78.8864



65.5178, 66.6507, 87.6296



68.4097, 66.6507, 66.6025



61.2296, 66.6507, 59.3452



# Rectangle

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



58.5452, 66.6507, 78.8864



61.8345, 66.6507, 88.3606



68.4097, 66.6507, 66.6025



64.8891, 66.6507, 58.7847

# Sweetspot

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



58.5471, 66.6534, 78.8879



90.3004, 97.2348, 108.6166



54.7419, 65.9750, 56.2492



19.1904, 20.7318, 23.2401



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.



58.5471, 66.6534, 78.8879



77.1274, 89.4376, 107.8059



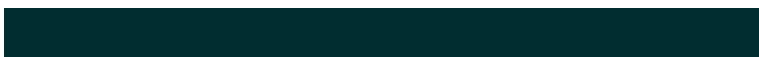
53.8631, 57.2855, 77.3266



14.0516, 15.4424, 17.6278



21.5960, 30.6617, 45.8284



1.5161, 2.1636, 3.1830



# Inverse Universe

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



60.1845, 54.9793, 75.1533



79.8319, 70.2835, 101.6085



60.5845, 62.6063, 54.2398



14.2623, 13.9225, 17.1514



24.8409, 12.0034, 37.4235

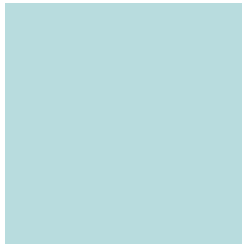


1.7315, 0.8359, 2.6449



# Previews

## White Background



This preview shows how the XYZ color 58.5452, 66.6507, 78.8864 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

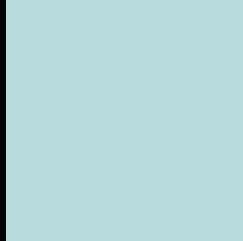
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.5452, 66.6507, 78.8864 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 58.5452, 66.6507, 78.8864

## Background



This preview shows how black text looks on a background with the XYZ color 58.5452, 66.6507, 78.8864.



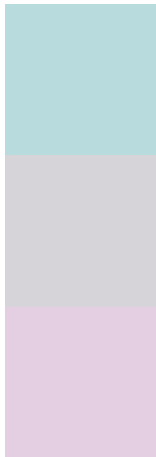
This preview shows how white text looks on a background with the XYZ color 58.5452, 66.6507,



# 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

58.5452, 66.6507, 78.8864

### Protanopia

64.0922, 66.5438, 75.1119

### Deuteranopia

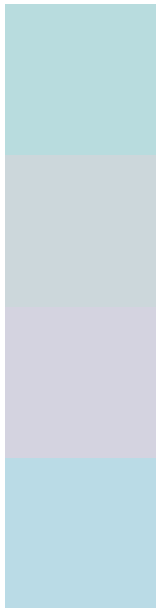
67.6568, 66.0728, 80.4216



## Tritanopia

60.5603, 66.7058, 88.2809

# Trichromacy



## Original Color

58.5452, 66.6507, 78.8864

## Protanomaly

61.9885, 66.5527, 76.5967

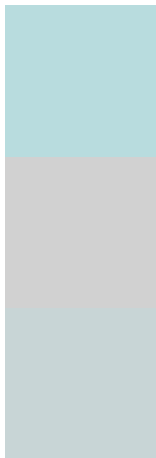
## Deuteranomaly

63.9002, 65.9674, 79.8861

## Tritanomaly

59.8641, 66.8153, 84.6044

# Monochromacy



## Original Color

58.5452, 66.6507, 78.8864

## Achromatopsia

60.6036, 63.7597, 69.4343

## Achromatomaly

59.7513, 64.7229, 72.9619

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.5452, 66.6507, 78.8864 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(184, 220, 222)` looks like.

```
.text, #text, p{  
    color:rgb(184, 220, 222)  
}
```

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(184, 220, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 220, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 58.5452, 66.6507, 78.8864 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(184, 220, 222) }
```



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

```
.border{ border-color:rgb(184, 220, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 220, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 220, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 220, 222);  
box-shadow:4px 4px 4px 4px rgb(184, 220,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.5452, 66.6507, 78.8864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 220, 222) }
```

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

```
.background{ background-color: rgb(184,  
220, 222) }
```

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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