

# Converting Colors

XYZ(51.6990, 57.6419, 65.7104)

Have a look what the booklet for  
XYZ(51.6990, 57.6419, 65.7104)  
contains.

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# **Color**

**XYZ(51.7865, 57.8460,  
65.5627)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5CDCC
RGB	181, 205, 204
RGB Percent	71%, 80%, 80%
CMY	0.2902, 0.1961, 0.2000
CMYK	0.12, 0.00, 0.00, 0.20
HSL	177°, 19%, 76%
HSV	177°, 12%, 80%
XYZ	51.7865, 57.8460, 65.5627
YIQ	197.7100, -13.9830, -5.3990

# Conversions

## Conversions Part 2

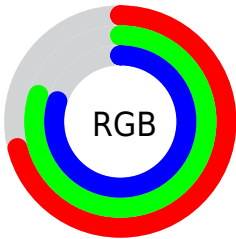
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	181, 193, 205
Decimal	11914700
CIE Lab	80.65, -8.23, -2.24
CIE LCh	81, 8.530, 195.249
Yxy	57.8460, 0.2956, 0.3302
Android (android.graphics.Color)	4290104780 (0xFFB5CDCC)
YUV	197.7100, 3.1010, -14.6547
Hunter-Lab	76.0566, -11.5593, 2.1301

# Details

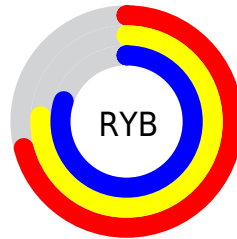
The XYZ color **51.7865, 57.8460, 65.5627** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.1463, 49.4060, 51.1520**, and the grayscale version is **53.4897, 56.2753, 61.2838**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **25.4737, 28.9244, 33.0945** is the 20% darker color. If you saturate the color by 10%, you get **47.2268, 55.5088, 64.8156**, and if you desaturate by 10%, it is **57.0574, 60.5529, 66.3484**.

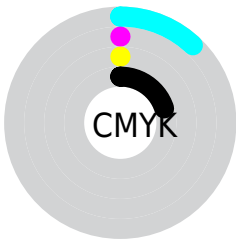
# Distribution



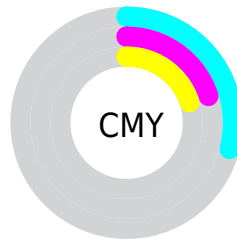
- Red (71%)
- Green (80%)
- Blue (80%)



- Red (71%)
- Yellow (76%)
- Blue (80%)



- Cyan (12%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (29%)
- Magenta (20%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7865, 57.8460, 65.5627 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 51.7865, 57.8460, 65.5627 by changing the saturation by 10% instead.



■ 51.7865, 57.8460,  
65.5627

■ 51.7865, 57.8460,  
65.5627

383.9493,  
416.6119, 463.1728

■ 37.0585, 41.6849,  
47.4633

■ 91.9924, 101.6986,  
114.4795

■ 25.4267, 28.8546,  
33.0451

118.2010,  
130.1588, 146.1339

■ 16.5257, 18.9709,  
21.8896

148.9672,  
163.4875, 183.1437

■ 9.9901, 11.6492,  
13.5782

184.6563,  
202.0690, 225.9275

■ 5.4546, 6.5053,  
7.6925

225.6337,  
246.2878, 274.9037

■ 2.5539, 3.1547,  
3.8139

272.2648,

■ 0.9225, 1.2130,

296.5283, 330.4910

1.5238

324.9149,  
353.1749, 393.1078

■ 0.0000, 0.0723,  
0.2356

■ 0.0000, 0.0000,  
0.0000

■ 51.7865, 57.8460,  
65.5627

■ 51.7865, 57.8460,  
65.5627

■ 47.2268, 55.5088,  
64.8156

■ 57.0574, 60.5529,  
66.3484

■ 43.3426, 53.5182,  
64.1019

■ 63.0634, 63.6371,  
67.1703

■ 40.1025, 51.8596,  
63.4213

■ 69.8334, 67.1152,  
68.0308

■ 37.4707, 50.5145,  
62.7721

■ 74.3872, 69.4506,  
68.7907

■ 35.4078, 49.4626,  
62.1524

■ 74.4925, 69.4928,  
69.3453

■ 33.8700, 48.6814,  
61.5603

■ 74.5984, 69.5351,  
69.9029

■ 32.8070, 48.1448,  
60.9932

■ 74.7049, 69.5777,  
70.4635

■ 32.1586, 47.8219,  
60.4485

■ 74.8119, 69.6205,  
71.0271

■ 31.8462, 47.6702,  
60.0096

■ 74.9195, 69.6636,  
71.5937

# Harmonies

## Analogous

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



51.7792, 57.8460, 60.5536



51.7865, 57.8460, 65.5627



52.6373, 57.8460, 70.1060

# Triad

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



51.7865, 57.8460, 65.5627



57.4143, 57.8460, 70.0423



55.8453, 57.8460, 54.0865

# Complementary

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



51.7865, 57.8460, 65.5627



50.1463, 49.4060, 51.1520

# 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.



57.3930, 57.8460, 56.3623



51.7865, 57.8460, 65.5627



58.3119, 57.8460, 65.4795

# Square

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



51.7865, 57.8460, 65.5627



55.8739, 57.8460, 72.7845



58.3040, 57.8460, 60.4747



54.0974, 57.8460, 54.1061



# Rectangle

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



51.7865, 57.8460, 65.5627



53.5790, 57.8460, 72.1827



58.3040, 57.8460, 60.4747



56.4070, 57.8460, 54.6029

# Sweetspot

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



51.7882, 57.8484, 65.5640



91.3279, 98.0891, 108.3680



49.5123, 56.9707, 52.1041



19.4028, 20.9206, 23.1740



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.



51.7882, 57.8484, 65.5640



82.8745, 93.7509, 107.0815



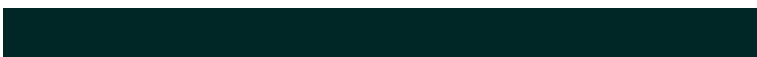
49.4136, 52.9061, 65.3679



11.5222, 12.7186, 14.3075



19.8336, 29.6787, 37.4044



1.0296, 1.5337, 1.9635



# Inverse Universe

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



50.1463, 49.4060, 51.1520



79.6732, 77.2891, 78.9802



52.3252, 53.9289, 51.3687



11.2310, 11.2211, 11.7511



15.7115, 8.0952, 0.9333

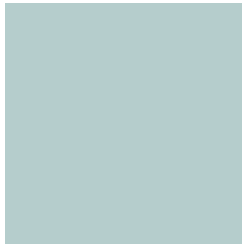


0.8173, 0.4203, 0.0839



# Previews

## White Background



This preview shows how the XYZ color 51.7865, 57.8460, 65.5627 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

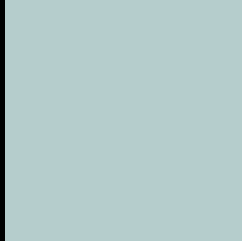
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.7865, 57.8460, 65.5627 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

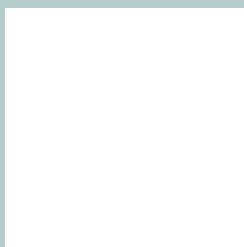
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 51.7865, 57.8460, 65.5627**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.7865, 57.8460, 65.5627.



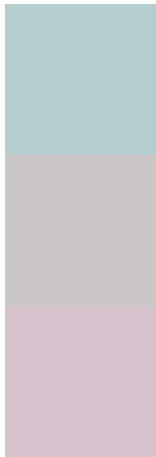
This preview shows how white text looks on a background with the XYZ color 51.7865, 57.8460,



# 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

51.7865, 57.8460, 65.5627

### Protanopia

55.4774, 57.7135, 62.8594

### Deuteranopia

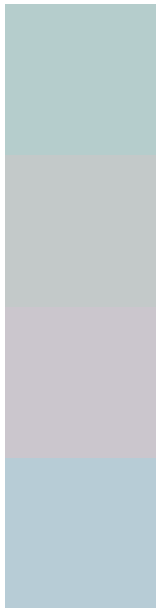
58.7513, 57.6387, 66.4214



## Tritanopia

53.9093, 58.0167, 75.3749

# Trichromacy



## Original Color

51.7865, 57.8460, 65.5627

## Protanomaly

53.9349, 57.5924, 63.5321

## Deuteranomaly

55.8421, 57.4925, 65.9116

## Tritanomaly

53.2589, 58.1081, 72.0273

# Monochromacy



## Original Color

51.7865, 57.8460, 65.5627

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

53.0502, 57.1499, 62.8786

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.7865, 57.8460, 65.5627 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(181, 205, 204)` looks like.

```
.text, #text, p{  
    color:rgb(181, 205, 204)  
}
```

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(181, 205, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 205, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 51.7865, 57.8460, 65.5627 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(181, 205, 204) }
```



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

```
.border{ border-color:rgb(181, 205, 204) }
```

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

Here you see how a box with a 4 pixel rgb(181, 205, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 205, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 205, 204);  
box-shadow:4px 4px 4px 4px rgb(181, 205,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.7865, 57.8460, 65.5627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 205, 204) }
```

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

```
.background{ background-color: rgb(181,  
205, 204) }
```

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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