

# Converting Colors

XYZ(51.8017, 58.1338, 68.8132)

Have a look what the booklet for  
XYZ(51.8017, 58.1338, 68.8132)  
contains.

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# Color

**XYZ(51.7114, 58.0932,  
68.8092)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1CED1
RGB	177, 206, 209
RGB Percent	69%, 81%, 82%
CMY	0.3059, 0.1921, 0.1804
CMYK	0.15, 0.01, 0.00, 0.18
HSL	186°, 26%, 76%
HSV	186°, 15%, 82%
XYZ	51.7114, 58.0932, 68.8092
YIQ	197.6710, -18.2470, -5.2150

# Conversions

## Conversions Part 2

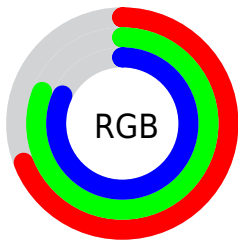
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 192, 209
Decimal	11652817
CIELab	80.79, -9.02, -4.75
CIELCh	81, 10.194, 207.768
Yxy	58.0932, 0.2895, 0.3252
Android (android.graphics.Color)	4289842897 (0xFFB1CED1)
YUV	197.6710, 5.5852, -18.1285
Hunter-Lab	76.2189, -12.2781, -0.1728

# Details

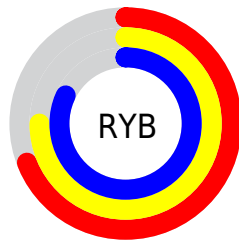
The XYZ color **51.7114, 58.0932, 68.8092** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.5520, 49.3720, 48.4614**, and the grayscale version is **53.4533, 56.2371, 61.2422**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **25.4568, 29.1081, 35.2871** is the 20% darker color. If you saturate the color by 10%, you get **46.8429, 54.8897, 68.4484**, and if you desaturate by 10%, it is **57.3183, 61.6891, 69.2087**.

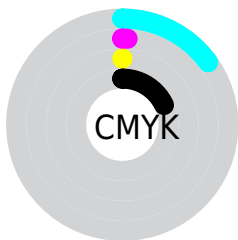
# Distribution



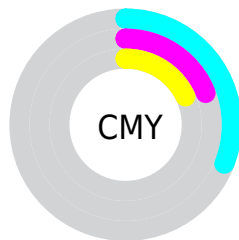
- Red (69%)
- Green (81%)
- Blue (82%)



- Red (69%)
- Yellow (75%)
- Blue (82%)



- Cyan (15%)
- Magenta (1%)
- Yellow (0%)
- Black (18%)



- Cyan (31%)
- Magenta (19%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7114, 58.0932, 68.8092 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 51.7114, 58.0932, 68.8092 by changing the saturation by 10% instead.



■ 51.7114, 58.0932,  
68.8092

■ 51.7114, 58.0932,  
68.8092

383.6637,  
417.5331, 475.0334

■ 36.9984, 41.8836,  
50.0855

■ 91.8822, 102.0586,  
119.1741

■ 25.3799, 29.0101,  
35.1097

118.0708,  
130.5831, 151.6525

■ 16.4906, 19.0885,  
23.4632

148.8153,  
163.9814, 189.5529

■ 9.9650, 11.7342,  
14.7274

184.4810,  
202.6379, 233.2938

■ 5.4379, 6.5630,  
8.4838

225.4334,  
246.9369, 283.2937

■ 2.5438, 3.1903,  
4.3139

272.0377,

■ 0.9174, 1.2319,

297.2628, 339.9713

1.7991

324.6594,  
354.0001, 403.7450

■ 0.0000, 0.0875,  
0.4273

■ 0.0000, 0.0000,  
0.0000

■ 51.7114, 58.0932,  
68.8092

■ 51.7114, 58.0932,  
68.8092

■ 46.8429, 54.8897,  
68.4484

■ 57.3183, 61.6891,  
69.2087

■ 42.6745, 52.0543,  
68.1208

■ 63.6894, 65.6863,  
69.6444

■ 39.1724, 49.5709,  
67.8260

■ 70.8557, 70.1021,  
70.1191

■ 36.2978, 47.4197,  
67.5623

■ 76.7534, 73.8728,  
70.5360

■ 34.0078, 45.5785,  
67.3276

■ 77.2513, 74.8686,  
70.7020

■ 32.2542, 44.0223,  
67.1197

■ 77.7552, 75.8763,  
70.8699

■ 30.9810, 42.7224,  
66.9359

■ 78.2650, 76.8960,  
71.0399

■ 30.1197, 41.6432,  
66.7730

■ 78.7809, 77.9277,  
71.2119

■ 29.7984, 41.1827,  
66.7010

■ 79.3028, 78.9716,  
71.3858

# Harmonies

## Analogous

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



51.2694, 58.0932, 62.8033



51.7114, 58.0932, 68.8092



53.0852, 58.0932, 73.5742

# Triad

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



51.7114, 58.0932, 68.8092



58.7108, 58.0932, 69.6395



55.3736, 58.0932, 52.3635

# Complementary

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



51.7114, 58.0932, 68.8092



50.5520, 49.3720, 48.4614

# 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.



57.4028, 58.0932, 53.9463



51.7114, 58.0932, 68.8092



59.3597, 58.0932, 63.7061

# Square

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



51.7114, 58.0932, 68.8092



57.1231, 58.0932, 74.0746



58.8751, 58.0932, 58.0054



53.3516, 58.0932, 53.5414



# Rectangle

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



51.7114, 58.0932, 68.8092



54.3628, 58.0932, 75.2717



58.8751, 58.0932, 58.0054



56.0778, 58.0932, 52.5881

# Sweetspot

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



51.7131, 58.0956, 68.8105



90.1341, 96.9020, 108.5611



49.1372, 58.2308, 51.6531



19.1498, 20.6506, 23.2266



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

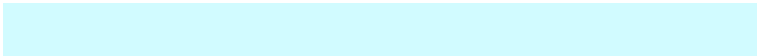


# Same Dimension

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



51.7131, 58.0956, 68.8105



78.7767, 89.5977, 107.7499



48.1268, 50.9231, 67.6151



12.0598, 13.2098, 15.1578



18.4116, 25.4697, 41.1382



1.0577, 1.4805, 2.3096



# Inverse Universe

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



53.1585, 49.4570, 65.1397



81.4305, 73.8562, 100.9838



53.8961, 56.0603, 49.5761



12.2611, 11.9892, 14.6506



21.9240, 10.6425, 30.8358



1.2401, 0.6008, 1.7991



# Previews

## White Background



This preview shows how the XYZ color 51.7114, 58.0932, 68.8092 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

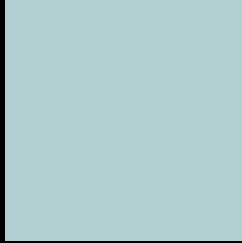
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.7114, 58.0932, 68.8092 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

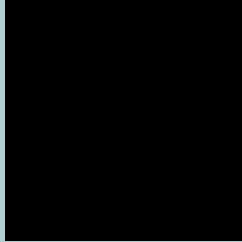
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.7114, 58.0932, 68.8092

## Background



This preview shows how black text looks on a background with the XYZ color 51.7114, 58.0932, 68.8092.



This preview shows how white text looks on a background with the XYZ color 51.7114, 58.0932,



# 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

51.7114, 58.0932, 68.8092

### Protanopia

55.8000, 57.8112, 65.9753

### Deuteranopia

58.7812, 57.5829, 69.6445



## **Tritanopia**

53.1015, 57.9367, 76.0943

# Trichromacy



## Original Color

51.7114, 58.0932, 68.8092

## Protanomaly

54.2534, 58.0347, 66.7349

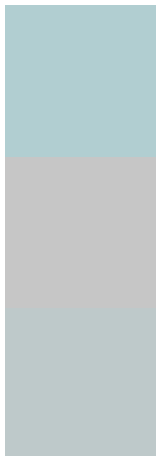
## Deuteranomaly

55.9143, 57.4588, 69.1164

## Tritanomaly

52.5861, 58.0855, 73.4058

# Monochromacy



## Original Color

51.7114, 58.0932, 68.8092

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

52.7825, 56.9847, 64.0943

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.7114, 58.0932, 68.8092 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(177, 206, 209)` looks like.

```
.text, #text, p{  
    color:rgb(177, 206, 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(177, 206, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 206, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 51.7114, 58.0932, 68.8092 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(177, 206, 209) }
```



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

```
.border{ border-color:rgb(177, 206, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 206, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 206, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 206, 209);  
box-shadow:4px 4px 4px 4px rgb(177, 206,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.7114, 58.0932, 68.8092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 206, 209) }
```

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

```
.background{ background-color: rgb(177,  
206, 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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