

# Converting Colors

XYZ(51.6195, 57.6462, 70.6936)

Have a look what the booklet for  
XYZ(51.6195, 57.6462, 70.6936)  
contains.

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# **Color**

**XYZ(51.6195, 57.6462,  
70.6936)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0CDD4
RGB	176, 205, 212
RGB Percent	69%, 80%, 83%
CMY	0.3098, 0.1961, 0.1686
CMYK	0.17, 0.03, 0.00, 0.17
HSL	192°, 30%, 76%
HSV	192°, 17%, 83%
XYZ	51.6195, 57.6462, 70.6936
YIQ	197.1270, -19.5310, -3.9710

# Conversions

## Conversions Part 2

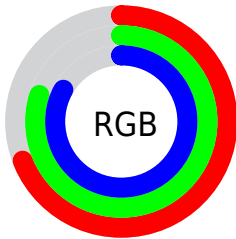
Format	Color
<b>RYB</b>	176, 192, 212
Decimal	11587028
CIELab	80.54, -8.19, -6.73
CIELCh	81, 10.600, 219.419
Yxy	57.6462, 0.2868, 0.3203
Android (android.graphics.Color)	4289777108 (0xFFB0CDD4)
YUV	197.1270, 7.3324, -18.5284
Hunter-Lab	75.9251, -11.5114, -2.0572

# Details

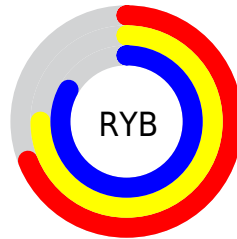
The XYZ color **51.6195, 57.6462, 70.6936** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.9219, 50.9987, 48.1826**, and the grayscale version is **53.1145, 55.8806, 60.8540**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **25.3208, 28.7785, 36.1185** is the 20% darker color. If you saturate the color by 10%, you get **46.2230, 53.4215, 70.1635**, and if you desaturate by 10%, it is **57.7940, 62.3135, 71.2700**.

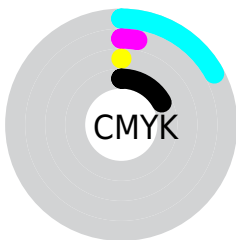
# Distribution



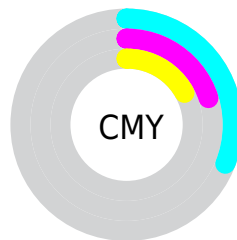
- Red (69%)
- Green (80%)
- Blue (83%)



- Red (69%)
- Yellow (75%)
- Blue (83%)



- Cyan (17%)
- Magenta (3%)
- Yellow (0%)
- Black (17%)



- Cyan (31%)
- Magenta (20%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6195, 57.6462, 70.6936 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 51.6195, 57.6462, 70.6936 by changing the saturation by 10% instead.



■ 51.6195, 57.6462,  
70.6936

■ 51.6195, 57.6462,  
70.6936

383.3140,  
415.8663, 481.8364

■ 36.9249, 41.5243,  
51.6119

■ 91.7474, 101.4075,  
121.8877

■ 25.3228, 28.7290,  
36.3157

117.9114,  
129.8156, 154.8372

■ 16.4477, 18.8759,  
24.3865

148.6293,  
163.0879, 193.2464

■ 9.9344, 11.5806,  
15.4057

184.2664,  
201.6089, 237.5338

■ 5.4174, 6.4588,  
8.9549

225.1881,  
245.7628, 288.1180

■ 2.5314, 3.1260,  
4.6153

271.7597,

■ 0.9111, 1.1979,

295.9340, 345.4174

1.9686

324.3465,  
352.5071, 409.8507

■ 0.0000, 0.0600,  
0.5359

■ 0.0000, 0.0000,  
0.0000

■ 51.6195, 57.6462,  
70.6936

■ 51.6195, 57.6462,  
70.6936

■ 46.2230, 53.4215,  
70.1635

■ 57.7940, 62.3135,  
71.2700

■ 41.5645, 49.6141,  
69.6741

■ 64.7739, 67.4333,  
71.8903

■ 37.6081, 46.2066,  
69.2249

■ 72.5917, 73.0241,  
72.5574

■ 34.3130, 43.1776,  
68.8140

■ 79.1091, 77.9840,  
73.1713

■ 31.6336, 40.5034,  
68.4390

■ 80.2137, 80.1932,  
73.5395

■ 29.5188, 38.1573,  
68.0976

■ 81.3452, 82.4562,  
73.9166

■ 27.9085, 36.1080,  
67.7869

■ 82.5038, 84.7734,  
74.3028

■ 26.7238, 34.3146,  
67.5032

■ 83.6896, 87.1451,  
74.6981

■ 26.4079, 33.8017,  
67.4209

■ 84.9030, 89.5718,  
75.1025

# Harmonies

## Analogous

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



50.7632, 57.6462, 64.7499



51.6195, 57.6462, 70.6936



53.3322, 57.6462, 74.6760

# Triad

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



51.6195, 57.6462, 70.6936



58.8052, 57.6462, 67.0775



54.1086, 57.6462, 51.6644

# Complementary

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



51.6195, 57.6462, 70.6936



51.9219, 50.9987, 48.1826

# 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.



56.2762, 57.6462, 52.1965



51.6195, 57.6462, 70.6936



59.0264, 57.6462, 60.8248

# Square

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



51.6195, 57.6462, 70.6936



57.4930, 57.6462, 72.4942



58.0898, 57.6462, 55.4561



52.1750, 57.6462, 53.9512



# Rectangle

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



51.6195, 57.6462, 70.6936



54.7485, 57.6462, 75.5380



58.0898, 57.6462, 55.4561



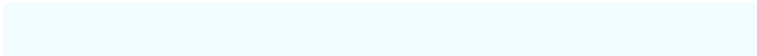
54.8335, 57.6462, 51.5231

# Sweetspot

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



51.6212, 57.6486, 70.6949



89.7283, 96.0905, 108.4259



49.9547, 59.7204, 53.4772



19.0509, 20.4528, 23.1936



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

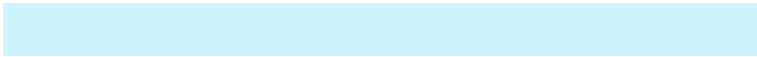


# Same Dimension

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



51.6212, 57.6486, 70.6949



75.6306, 85.4149, 107.1083



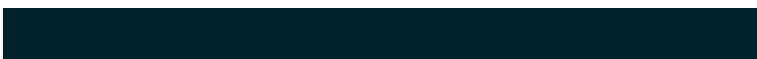
47.6446, 49.6954, 69.3694



12.5776, 13.6785, 15.9148



16.3735, 21.0088, 41.6453



1.0413, 1.3746, 2.5298



# Inverse Universe

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



53.6975, 49.4568, 64.4762



79.3276, 71.0436, 95.9877



55.7824, 58.7198, 49.4695



12.8447, 12.5894, 15.1225



21.3235, 10.4657, 24.8051



1.3132, 0.6421, 1.6389



# Previews

## White Background



This preview shows how the XYZ color 51.6195, 57.6462, 70.6936 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

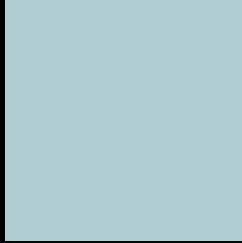
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.6195, 57.6462, 70.6936 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

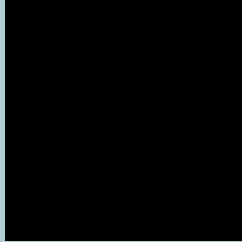
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.6195, 57.6462, 70.6936

## Background



This preview shows how black text looks on a background with the XYZ color 51.6195, 57.6462, 70.6936.



This preview shows how white text looks on a background with the XYZ color 51.6195, 57.6462, 70.6936.



# 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

51.6195, 57.6462, 70.6936

### Protanopia

55.6666, 57.3597, 67.8121

### Deuteranopia

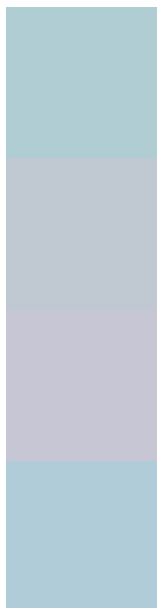
58.5808, 57.4357, 71.6170



## Tritanopia

52.8712, 57.8180, 76.0835

# Trichromacy



## Original Color

51.6195, 57.6462, 70.6936

## Protanomaly

54.1335, 57.5832, 68.5831

## Deuteranomaly

55.7575, 57.3344, 71.0787

## Tritanomaly

52.2487, 57.5426, 73.9987

# Monochromacy



## Original Color

51.6195, 57.6462, 70.6936

## Achromatopsia

53.0703, 55.8340, 60.8033

## Achromatomaly

52.3012, 56.3916, 64.0052

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.6195, 57.6462, 70.6936 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(176, 205, 212)` looks like.

```
.text, #text, p{  
    color:rgb(176, 205, 212)  
}
```

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(176, 205, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 205, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 51.6195, 57.6462, 70.6936 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(176, 205, 212) }
```



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

```
.border{ border-color:rgb(176, 205, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 205, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 205, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 205, 212); box-shadow:4px 4px 4px 4px rgb(176, 205, 212) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.6195, 57.6462, 70.6936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 205, 212) }
```

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

```
.background{ background-color: rgb(176,  
205, 212) }
```

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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