

# Converting Colors

XYZ(51.4979, 57.3643, 64.5325)

Have a look what the booklet for  
XYZ(51.4979, 57.3643, 64.5325)  
contains.

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# Color

**XYZ(51.5449, 57.3951,  
64.2388)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6CCCA
RGB	182, 204, 202
RGB Percent	71%, 80%, 79%
CMY	0.2863, 0.2000, 0.2078
CMYK	0.11, 0.00, 0.01, 0.20
HSL	175°, 18%, 76%
HSV	175°, 11%, 80%
XYZ	51.5449, 57.3951, 64.2388
YIQ	197.1940, -12.4700, -5.2860

# Conversions

## Conversions Part 2

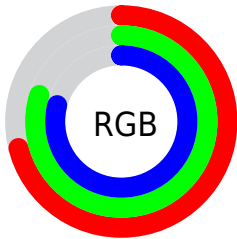
Format	Color
<b>RYB</b>	182, 194, 204
Decimal	11979978
CIELab	80.40, -7.78, -1.53
CIELCh	80, 7.930, 191.147
Yxy	57.3951, 0.2976, 0.3314
Android (android.graphics.Color)	4290170058 (0xFFB6CCCA)
YUV	197.1940, 2.3694, -13.3251
Hunter-Lab	75.7596, -11.1323, 2.7579

# Details

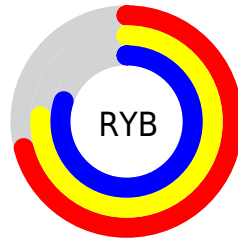
The XYZ color **51.5449, 57.3951, 64.2388** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.2835, 49.7554, 52.3034**, and the grayscale version is **53.1810, 55.9505, 60.9301**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **25.3049, 28.6179, 32.2071** is the 20% darker color. If you saturate the color by 10%, you get **46.8555, 55.0045, 62.8794**, and if you desaturate by 10%, it is **56.9421, 60.1535, 65.6475**.

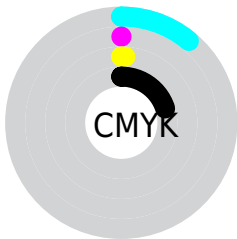
# Distribution



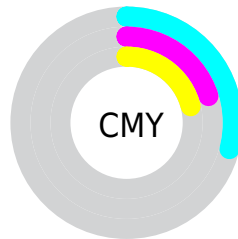
- Red (71%)
- Green (80%)
- Blue (79%)



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



- Cyan (11%)
- Magenta (0%)
- Yellow (1%)
- Black (20%)



- Cyan (29%)
- Magenta (20%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5449, 57.3951, 64.2388 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 51.5449, 57.3951, 64.2388 by changing the saturation by 10% instead.



■ 51.5449, 57.3951,  
64.2388

■ 51.5449, 57.3951,  
64.2388

383.0300,  
414.9282, 458.2826

■ 36.8653, 41.3225,  
46.3967

■ 91.6379, 101.0415,  
112.5575

■ 25.2764, 28.5712,  
32.2081

117.7820,  
129.3840, 143.8713

■ 16.4129, 18.7567,  
21.2543

148.4783,  
162.5854, 180.5126

■ 9.9095, 11.4946,  
13.1170

184.0921,  
201.0300, 222.9001

■ 5.4008, 6.4005,  
7.3775

224.9889,  
245.1022, 271.4523

■ 2.5214, 3.0901,  
3.6173

271.5338,

■ 0.9061, 1.1790,

295.1863, 326.5878

1.4178

324.0924,  
351.6669, 388.7250

■ 0.0000, 0.0444,  
0.1556

■ 0.0000, 0.0000,  
0.0000

■ 51.5449, 57.3951,  
64.2388

■ 51.5449, 57.3951,  
64.2388

■ 46.8555, 55.0045,  
62.8794

■ 56.9421, 60.1535,  
65.6475

■ 42.8388, 52.9587,  
61.5641

■ 63.0706, 63.2869,  
67.1031

■ 39.4639, 51.2436,  
60.2925

■ 69.9588, 66.8118,  
68.6082

■ 36.6959, 49.8409,  
59.0630

■ 74.3959, 69.0727,  
70.0126

■ 34.4961, 48.7309,  
57.8737

■ 74.6279, 69.1655,  
71.2341

■ 32.8217, 47.8915,  
56.7226

■ 74.8626, 69.2594,  
72.4698

■ 31.6236, 47.2973,  
55.6073

■ 75.0999, 69.3543,  
73.7197

■ 30.8436, 46.9184,  
54.5251

■ 75.3400, 69.4503,  
74.9840

■ 30.3967, 46.7090,  
53.5524

■ 75.5828, 69.5475,  
76.2625

# Harmonies

## Analogous

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



51.6496, 57.3951, 59.6473



51.5449, 57.3951, 64.2388



52.2340, 57.3951, 68.5660

# Triad

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



51.5449, 57.3951, 64.2388



56.6334, 57.3951, 69.4743



55.5679, 57.3951, 54.4048

# Complementary

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



51.5449, 57.3951, 64.2388



50.2835, 49.7554, 52.3034

# 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.



56.9383, 57.3951, 56.7906



51.5449, 57.3951, 64.2388



57.5618, 57.3951, 65.4289

# Square

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



51.5449, 57.3951, 64.2388



55.1584, 57.3951, 71.6871



57.6745, 57.3951, 60.7801



53.9507, 57.3951, 54.1216



# Rectangle

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



51.5449, 57.3951, 64.2388



53.0589, 57.3951, 70.6601



57.6745, 57.3951, 60.7801



56.0735, 57.3951, 54.9817

# Sweetspot

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



51.5465, 57.3975, 64.2401



92.1794, 98.5331, 108.1814



49.8531, 56.7807, 52.5890



19.5700, 21.0083, 23.1144



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.



51.5465, 57.3975, 64.2401



83.4061, 94.0531, 105.8387



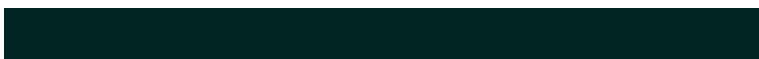
49.7521, 53.4265, 64.8198



11.4975, 12.7088, 14.1773



19.1492, 29.4050, 33.8003



1.0011, 1.5222, 1.8132



# Inverse Universe

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



50.2835, 49.7554, 52.3034



80.8940, 78.8519, 82.0961



51.9345, 53.3911, 51.8250



11.2531, 11.2300, 11.8675



15.7604, 8.1147, 1.1909

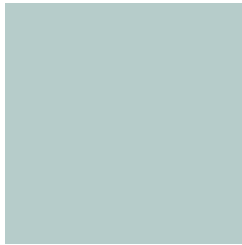


0.8277, 0.4245, 0.1383



# Previews

## White Background



This preview shows how the XYZ color 51.5449, 57.3951, 64.2388 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

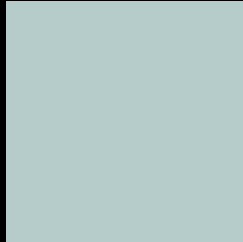
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.5449, 57.3951, 64.2388 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

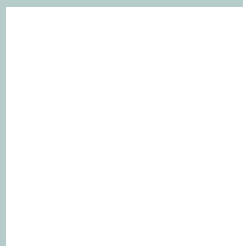
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 51.5449, 57.3951, 64.2388**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.5449, 57.3951, 64.2388.



This preview shows how white text looks on a background with the XYZ color 51.5449, 57.3951,



# 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

51.5449, 57.3951, 64.2388

### Protanopia

55.1315, 57.2082, 62.1694

### Deuteranopia

58.2879, 57.0985, 65.0757



## Tritanopia

53.7830, 57.6173, 74.6163

# Trichromacy



## Original Color

51.5449, 57.3951, 64.2388

## Protanomaly

53.5853, 57.0808, 62.8370

## Deuteranomaly

55.6476, 57.0817, 64.5848

## Tritanomaly

53.0068, 57.6557, 70.6223

# Monochromacy



## Original Color

51.5449, 57.3951, 64.2388

## Achromatopsia

53.0703, 55.8340, 60.8033

## Achromatomaly

52.7013, 56.6385, 62.1875

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.5449, 57.3951, 64.2388 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(182, 204, 202)` looks like.

```
.text, #text, p{  
    color:rgb(182, 204, 202)  
}
```

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(182, 204, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 204, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 51.5449, 57.3951, 64.2388 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(182, 204, 202) }
```



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

```
.border{ border-color:rgb(182, 204, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 204, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 204, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 204, 202);  
box-shadow:4px 4px 4px 4px rgb(182, 204,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.5449, 57.3951, 64.2388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 204, 202) }
```

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

```
.background{ background-color: rgb(182,  
204, 202) }
```

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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