

# Converting Colors

XYZ(51.7659, 51.3699, 63.6318)

Have a look what the booklet for  
XYZ(51.7659, 51.3699, 63.6318)  
contains.

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# Color

**XYZ(51.8916, 51.5717,  
63.7193)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7BACB
RGB	199, 186, 203
RGB Percent	78%, 73%, 80%
CMY	0.2196, 0.2706, 0.2039
CMYK	0.02, 0.08, 0.00, 0.20
HSL	286°, 14%, 76%
HSV	286°, 8%, 80%
XYZ	51.8916, 51.5717, 63.7193
YIQ	191.8250, 2.2910, 8.0430

# Conversions

## Conversions Part 2

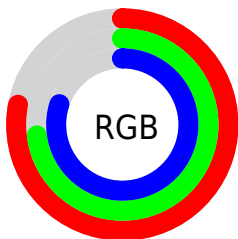
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	199, 186, 203
Decimal	13089483
CIE Lab	77.02, 7.69, -6.90
CIE LCh	77, 10.333, 318.084
Yxy	51.5717, 0.3104, 0.3085
Android (android.graphics.Color)	4291279563 (0xFFC7BACB)
YUV	191.8250, 5.5093, 6.2925
Hunter-Lab	71.8134, 3.3086, -2.3380

# Details

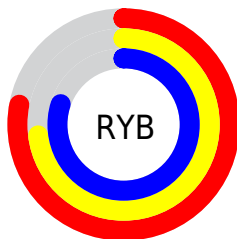
The XYZ color **51.8916, 51.5717, 63.7193** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.4559, 57.2056, 54.7867**, and the grayscale version is **49.9701, 52.5724, 57.2514**.

A 20% lighter version of the original color is **91.0421, 91.9843, 107.5640**, and **25.4894, 24.9647, 31.9090** is the 20% darker color. If you saturate the color by 10%, you get **46.6680, 42.9760, 62.3363**, and if you desaturate by 10%, it is **57.7656, 61.4074, 65.3090**.

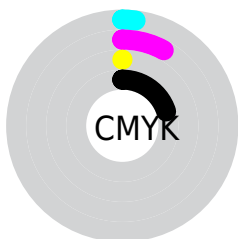
# Distribution



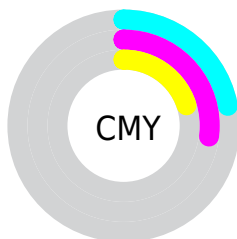
- Red (78%)
- Green (73%)
- Blue (80%)



- Red (78%)
- Yellow (73%)
- Blue (80%)



- Cyan (2%)
- Magenta (8%)
- Yellow (0%)
- Black (20%)



- Cyan (22%)
- Magenta (27%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8916, 51.5717, 63.7193 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 51.8916, 51.5717, 63.7193 by changing the saturation by 10% instead.



■ 51.8916, 51.5717,  
63.7193

■ 51.8916, 51.5717,  
63.7193

384.3488,  
392.7809, 456.3549

■ 37.1426, 36.6638,  
45.9786

■ 92.1465, 92.4993,  
111.8022

■ 25.4921, 24.9473,  
31.8804

118.3832,  
119.2878, 142.9814

■ 16.5747, 16.0378,  
21.0061

149.1797,  
150.8052, 179.4773

■ 10.0252, 9.5509,  
12.9372

184.9016,  
187.4360, 221.7084

■ 5.4781, 5.1022,  
7.2551

225.9140,  
229.5646, 270.0931

■ 2.5680, 2.3074,  
3.5413

272.5825,

■ 0.9297, 0.7776,

277.5753, 325.0501

1.3772

325.2723,  
331.8526, 386.9978

■ 0.0000, 0.0000,  
0.1239

■ 0.0000, 0.0000,  
0.0000

■ 51.8916, 51.5717,  
63.7193

■ 51.8916, 51.5717,  
63.7193

■ 46.6680, 42.9760,  
62.3363

■ 57.7656, 61.4074,  
65.3090

■ 42.0643, 35.5625,  
61.1479

■ 64.3098, 72.5247,  
67.1099

■ 38.0545, 29.2788,  
60.1464

■ 71.5486, 84.9713,  
69.1308

■ 34.6087, 24.0656,  
59.3218

■ 75.4860, 90.7543,  
70.0395

31.6944, 19.8584,  
58.6633

76.9364, 91.5019,  
70.1074

29.2754, 16.5855,  
58.1591

78.4282, 92.2710,  
70.1772

27.3108, 14.1657,  
57.7955

79.9619, 93.0617,  
70.2490

25.7527, 12.5036,  
57.5568

81.5378, 93.8741,  
70.3227

24.5272, 11.4522,  
57.4185

83.1562, 94.7084,  
70.3985

# Harmonies

## Analogous

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



50.2031, 51.5717, 67.1141



51.8916, 51.5717, 63.7193



52.8194, 51.5717, 58.4235

# Triad

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



51.8916, 51.5717, 63.7193



49.8039, 51.5717, 46.1893



45.5026, 51.5717, 59.5895

# Complementary

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



51.8916, 51.5717, 63.7193



51.4559, 57.2056, 54.7867

# 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.



45.4023, 51.5717, 53.9417



51.8916, 51.5717, 63.7193



47.8504, 51.5717, 46.4551

# Square

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



51.8916, 51.5717, 63.7193



51.5927, 51.5717, 48.4580



46.2513, 51.5717, 49.2104



46.5292, 51.5717, 64.6219



# Rectangle

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



51.8916, 51.5717, 63.7193



52.8657, 51.5717, 54.6404



46.2513, 51.5717, 49.2104



45.3605, 51.5717, 57.6929

# Sweetspot

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



51.8931, 51.5739, 63.7204



91.9987, 94.8760, 108.0718



49.4989, 51.6885, 63.8687



19.5207, 20.0213, 23.0856



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.



51.8931, 51.5739, 63.7204



85.2745, 83.6753, 106.2642



52.4689, 51.9284, 61.1398



11.4195, 11.2655, 14.1430



15.5744, 7.2364, 36.5322



0.8677, 0.4064, 1.8877



# Inverse Universe

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



51.4836, 51.5343, 55.9513



84.4657, 83.6029, 90.6623



50.9291, 56.8810, 57.1556



11.3187, 11.2562, 12.2130



16.0398, 8.2265, 2.6624

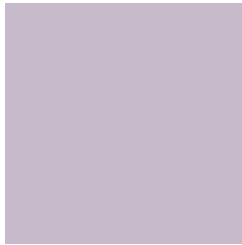


0.8579, 0.4366, 0.2975



# Previews

## White Background



This preview shows how the XYZ color 51.8916, 51.5717, 63.7193 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

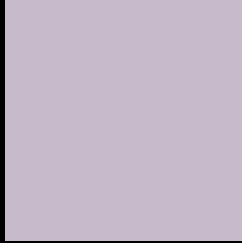
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.8916, 51.5717, 63.7193 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

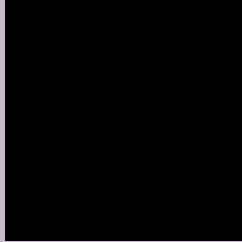
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.8916, 51.5717, 63.7193

## Background



This preview shows how black text looks on a background with the XYZ color 51.8916, 51.5717, 63.7193.



This preview shows how white text looks on a background with the XYZ color 51.8916, 51.5717,



# 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

51.8916, 51.5717, 63.7193

### Protanopia

50.2033, 51.6218, 65.0756

### Deuteranopia

52.7571, 51.7062, 63.6996



## Tritanopia

51.6547, 51.4770, 62.4719

# Trichromacy



## Original Color

51.8916, 51.5717, 63.7193

## Protanomaly

50.8746, 51.6635, 64.4174

## Deuteranomaly

52.4856, 51.5663, 63.6869

## Tritanomaly

51.7728, 51.5242, 63.0936

# Monochromacy



## Original Color

51.8916, 51.5717, 63.7193

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

50.8829, 52.4145, 59.6598

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.8916, 51.5717, 63.7193 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(199, 186, 203)` looks like.

```
.text, #text, p{  
    color:rgb(199, 186, 203)  
}
```

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(199, 186, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 186, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 51.8916, 51.5717, 63.7193 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".

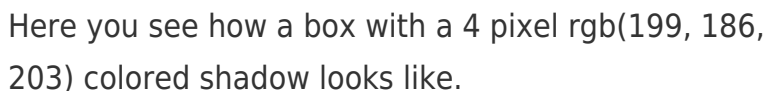
```
.border, #border, table{ border:4px solid rgb(199, 186, 203) }
```



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

```
.border{ border-color:rgb(199, 186, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(199, 186, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 186, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 186, 203); box-shadow:4px 4px 4px 4px rgb(199, 186, 203) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.8916, 51.5717, 63.7193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 186, 203) }
```

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

```
.background{ background-color: rgb(199,  
186, 203) }
```

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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