

# Converting Colors

XYZ(50.9742, 54.2172, 58.7356)

Have a look what the booklet for  
XYZ(50.9742, 54.2172, 58.7356)  
contains.

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# **Color**

**XYZ(50.9909, 54.1317,  
58.7999)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0C3C2
RGB	192, 195, 194
RGB Percent	75%, 76%, 76%
CMY	0.2471, 0.2353, 0.2392
CMYK	0.02, 0.00, 0.01, 0.24
HSL	160°, 2%, 76%
HSV	160°, 2%, 76%
XYZ	50.9909, 54.1317, 58.7999
YIQ	193.9890, -1.4670, -0.9470

# Conversions

## Conversions Part 2

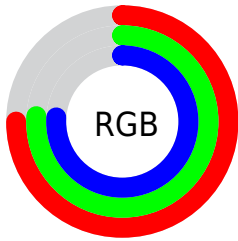
Format	Color
<a href="#">RYB</a>	<a href="#">192, 194, 195</a>
Decimal	<a href="#">12633026</a>
CIELab	<a href="#">78.54, -1.22, 0.13</a>
CIELCh	<a href="#">79, 1.224, 173.929</a>
Yxy	<a href="#">54.1317, 0.3111, 0.3302</a>
Android (android.graphics.Color)	<a href="#">4290823106 (0xFFC0C3C2)</a>
YUV	<a href="#">193.9890, 0.0054, -1.7444</a>
Hunter-Lab	<a href="#">73.5742, -5.0449, 4.1179</a>

# Details

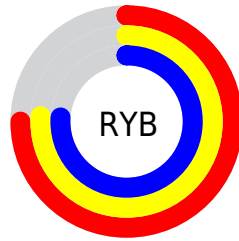
The XYZ color **50.9909, 54.1317, 58.7999** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.9829, 53.1530, 58.0271**, and the grayscale version is **51.2735, 53.9437, 58.7447**.

A 20% lighter version of the original color is **90.7771, 96.4794, 104.2804**, and **24.9060, 26.4322, 28.6002** is the 20% darker color. If you saturate the color by 10%, you get **45.6615, 51.4685, 54.8157**, and if you desaturate by 10%, it is **57.0097, 57.1496, 62.9860**.

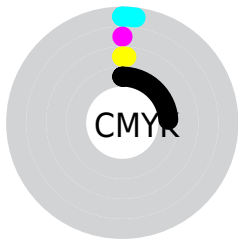
# Distribution



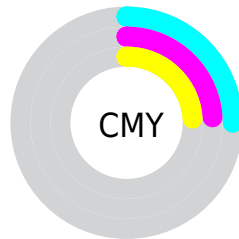
- Red (75%)
- Green (76%)
- Blue (76%)



- Red (75%)
- Yellow (76%)
- Blue (76%)



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (24%)



- Cyan (25%)
- Magenta (24%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9909, 54.1317, 58.7999 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 50.9909, 54.1317, 58.7999 by changing the saturation by 10% instead.



■ 50.9909, 54.1317,  
58.7999

■ 50.9909, 54.1317,  
58.7999

380.9167,  
402.6120, 437.8412

■ 36.4224, 38.7070,  
42.0331

■ 90.8244, 96.2676,  
104.6130

■ 24.9322, 26.5318,  
28.8015

116.8201,  
123.7475, 134.4965

■ 16.1550, 17.2219,  
18.6864

147.3555,  
156.0147, 169.5892

■ 9.7255, 10.3929,  
11.2694

182.7961,  
193.4534, 210.3098

■ 5.2782, 5.6602,  
6.1319

223.5071,  
236.4481, 257.0767

■ 2.4478, 2.6396,  
2.8554

269.8540,

■ 0.8690, 0.9466,

285.3832, 310.3086

1.0213

322.2021,  
340.6430, 370.4239

■ 0.0000, 0.0000,  
0.0000

■ 50.9909, 54.1317,  
58.7999

■ 50.9909, 54.1317,  
58.7999

■ 45.6615, 51.4685,  
54.8157

■ 57.0097, 57.1496,  
62.9860

■ 40.9909, 49.1398,  
51.0266

■ 63.7378, 60.5280,  
67.3737

■ 36.9531, 47.1336,  
47.4302

■ 71.2001, 64.2810,  
71.9672

■ 33.5184, 45.4348,  
44.0229

■ 73.6819, 65.4626,  
76.5012

■ 30.6548, 44.0269,  
40.8011

■ 74.5620, 65.8146,  
81.1358

■ 28.3273, 42.8919,  
37.7608

■ 75.4761, 66.1803,  
85.9494

■ 26.4966, 42.0096,  
34.8977

■ 76.4245, 66.5597,  
90.9440

■ 25.1180, 41.3571,  
32.2075

■ 77.4077, 66.9529,  
96.1215

■ 24.1383, 40.9068,  
29.6851

■ 78.4260, 67.3602,  
101.4836

# Harmonies

## Analogous

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



51.0767, 54.1317, 58.1619



50.9909, 54.1317, 58.7999



51.0279, 54.1317, 59.4804

# Triad

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



50.9909, 54.1317, 58.7999



51.6388, 54.1317, 60.1623



51.7240, 54.1317, 57.8735

# Complementary

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



50.9909, 54.1317, 58.7999



50.9829, 53.1530, 58.0271

# 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.



51.8755, 54.1317, 58.4033



50.9909, 54.1317, 58.7999



51.8262, 54.1317, 59.7255

# Square

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



50.9909, 54.1317, 58.7999



51.4015, 54.1317, 60.2705



51.9130, 54.1317, 59.0808



51.4996, 54.1317, 57.6297



# Rectangle

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



50.9909, 54.1317, 58.7999



51.1174, 54.1317, 59.8662



51.9130, 54.1317, 59.0808



51.7852, 54.1317, 58.0238

# Sweetspot

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



50.9924, 54.1340, 58.8011



92.9021, 97.7402, 106.4391



51.0364, 54.1825, 57.6382



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

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



50.9924, 54.1340, 58.8011



90.8266, 96.7011, 104.9495



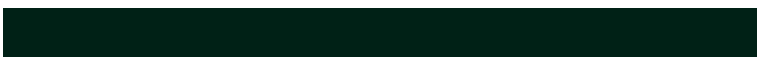
51.0047, 53.9777, 59.3630



11.1038, 11.8110, 12.8219



15.3370, 26.4289, 18.1997



0.6936, 1.1543, 0.9492

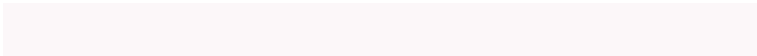


# Inverse Universe

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



50.9829, 53.1530, 58.0271



90.8041, 94.3916, 103.1276



50.9704, 53.3065, 57.4726



11.1013, 11.5508, 12.6167



15.2854, 7.8039, 4.1492



0.6928, 0.3501, 0.3499



# Previews

## White Background



This preview shows how the XYZ color 50.9909, 54.1317, 58.7999 looks on a white background.

## Color Contrast Check

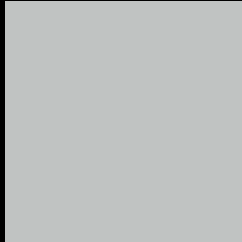
Large Text (above 18pt) WCAG AA × Fail

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 50.9909, 54.1317, 58.7999 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

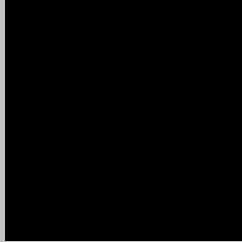
Any Text WCAG AAA ✓ Pass

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

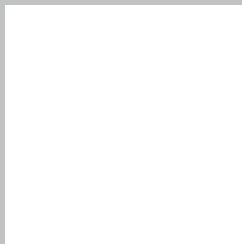


**XYZ 50.9909, 54.1317, 58.7999**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.9909, 54.1317, 58.7999.



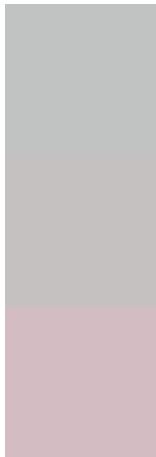
This preview shows how white text looks on a background with the XYZ color 50.9909, 54.1317,



# 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

50.9909, 54.1317, 58.7999

### Protanopia

51.9843, 53.9960, 58.1345

### Deuteranopia

54.9849, 53.9036, 59.1362



## Tritanopia

52.7033, 54.1633, 67.3513

# Trichromacy



## Original Color

50.9909, 54.1317, 58.7999

## Protanomaly

51.6824, 54.1696, 58.1839

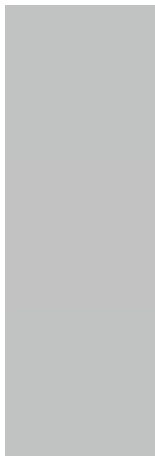
## Deuteranomaly

53.6580, 54.1809, 59.2596

## Tritanomaly

52.0636, 54.2328, 64.2238

# Monochromacy



## Original Color

50.9909, 54.1317, 58.7999

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

51.0217, 53.8161, 58.7373

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.9909, 54.1317, 58.7999 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(192, 195, 194)` looks like.

```
.text, #text, p{  
    color:rgb(192, 195, 194)  
}
```

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(192, 195, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 195, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 50.9909, 54.1317, 58.7999 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(192, 195, 194) }
```

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

```
.border{ border-color:rgb(192, 195, 194) }
```

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

Here you see how a box with a 4 pixel rgb(192, 195, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 195, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 195, 194);  
box-shadow:4px 4px 4px 4px rgb(192, 195,  
194) }
```



# Background

The CSS property to change the background color of an element to XYZ 50.9909, 54.1317, 58.7999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 195, 194) }
```

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

```
.background{ background-color: rgb(192,  
195, 194) }
```

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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