

# Converting Colors

XYZ(50.5564, 49.5058, 56.1812)

Have a look what the booklet for  
XYZ(50.5564, 49.5058, 56.1812)  
contains.

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# Color

**XYZ(50.5564, 49.5058,  
56.1812)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBB5BF
RGB	203, 181, 191
RGB Percent	80%, 71%, 75%
CMY	0.2039, 0.2902, 0.2510
CMYK	0.00, 0.11, 0.06, 0.20
HSL	333°, 17%, 75%
HSV	333°, 11%, 80%
XYZ	50.5564, 49.5058, 56.1812
YIQ	188.7180, 9.9020, 7.7740

# Conversions

## Conversions Part 2

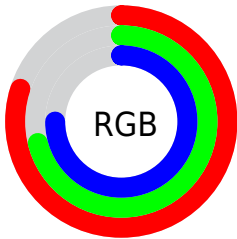
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 181, 191
Decimal	13350335
CIE Lab	75.76, 9.58, -2.20
CIE LCh	76, 9.829, 347.079
Yxy	49.5058, 0.3236, 0.3169
Android (android.graphics.Color)	4291540415 (0xFFCBB5BF)
YUV	188.7180, 1.1250, 12.5253
Hunter-Lab	70.3604, 5.1279, 1.9105

# Details

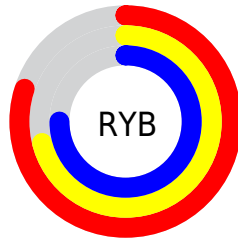
The XYZ color **50.5564, 49.5058, 56.1812** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.0395, 56.3871, 58.7011**, and the grayscale version is **48.1997, 50.7098, 55.2230**.

A 20% lighter version of the original color is **88.3127, 88.5438, 100.4318**, and **24.7010, 23.6629, 27.3103** is the 20% darker color. If you saturate the color by 10%, you get **45.5529, 41.3756, 48.7264**, and if you desaturate by 10%, it is **56.2563, 58.8801, 64.3241**.

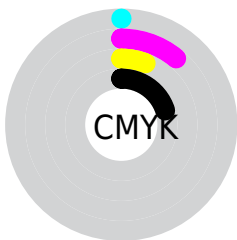
# Distribution



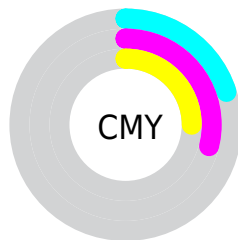
- Red (80%)
- Green (71%)
- Blue (75%)



- Red (80%)
- Yellow (71%)
- Blue (75%)



- Cyan (0%)
- Magenta (11%)
- Yellow (6%)
- Black (20%)




- Cyan (20%)
- Magenta (29%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5564, 49.5058, 56.1812 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 50.5564, 49.5058, 56.1812 by changing the saturation by 10% instead.





 50.5564, 49.5058,  
56.1812

 50.5564, 49.5058,  
56.1812


379.2540,  
384.7302, 427.7815

 36.0753, 35.0209,  
39.9433


 90.1856, 89.4422,  
100.7579

 24.6627, 23.6790,  
27.1809


116.0645,  
115.6625, 129.9337

 15.9534, 15.0956,  
17.4755


146.4732,  
146.5634, 164.2593

 9.5818, 8.8865,  
10.4085

181.7773,  
182.5292, 204.1531

 5.1827, 4.6672,  
5.5615

222.3421,  
223.9444, 250.0336

 2.3907, 2.0534,  
2.5159

268.5329,

 0.8405, 0.6382,

271.1934, 302.3195

0.8486

320.7151,  
324.6605, 361.4293

■ 0.0000, 0.0000,  
0.0000

■ 50.5564, 49.5058,  
56.1812

■ 50.5564, 49.5058,  
56.1812

■ 45.5529, 41.3756,  
48.7264

■ 56.2563, 58.8801,  
64.3241

■ 41.2138, 34.4303,  
41.9371

■ 62.6746, 69.5413,  
73.1702

■ 37.5104, 28.6157,  
35.7941

■ 69.8378, 81.5384,  
82.7384

■ 34.4105, 23.8708,  
30.2759

■ 75.4275, 90.2321,  
92.2649

■ 31.8790, 20.1287,  
25.3597

■ 77.0808, 90.8934,  
100.9710

■ 29.8766, 17.3149,  
21.0207

■ 78.4389, 91.4366,  
108.1226

■ 28.3590, 15.3445,  
17.2321

■ 27.2736, 14.1165,  
13.9635

■ 26.5719, 13.4739,  
11.3844

# Harmonies

## Analogous

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



49.6697, 49.5058, 61.0385



50.5564, 49.5058, 56.1812



50.4873, 49.5058, 51.0063

# Triad

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



50.5564, 49.5058, 56.1812



46.0310, 49.5058, 44.8590



44.7051, 49.5058, 61.6002

# Complementary

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



50.5564, 49.5058, 56.1812



50.0395, 56.3871, 58.7011

# 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.



43.7795, 49.5058, 56.9082



50.5564, 49.5058, 56.1812



44.5314, 49.5058, 47.3472

# Square

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



50.5564, 49.5058, 56.1812



47.8425, 49.5058, 44.6922



43.7168, 49.5058, 51.6880



46.2737, 49.5058, 64.3005



# Rectangle

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



50.5564, 49.5058, 56.1812



49.9083, 49.5058, 48.0702



43.7168, 49.5058, 51.6880



44.3102, 49.5058, 60.1904

# Sweetspot

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



50.5578, 49.5080, 56.1823



91.9932, 94.9499, 104.6022



49.2295, 48.6643, 63.2990



19.5195, 20.0415, 22.1472



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.



50.5578, 49.5080, 56.1823



82.5952, 79.5324, 91.0541



49.6442, 49.3817, 50.6337



11.4208, 11.2970, 12.7504



16.9548, 8.5925, 7.4805



0.9128, 0.4585, 0.5866



# Inverse Universe

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



50.5578, 49.5080, 56.1823



82.5952, 79.5324, 91.0541



51.0202, 56.5030, 64.7176



11.4208, 11.2970, 12.7504



16.9548, 8.5925, 7.4805

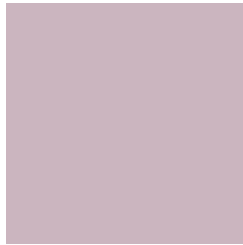


0.9128, 0.4585, 0.5866



# Previews

## White Background



This preview shows how the XYZ color 50.5564, 49.5058, 56.1812 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 50.5564, 49.5058, 56.1812 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

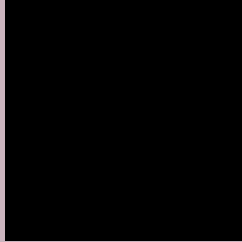
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 50.5564, 49.5058, 56.1812

## Background



This preview shows how black text looks on a background with the XYZ color 50.5564, 49.5058, 56.1812.



This preview shows how white text looks on a background with the XYZ color 50.5564, 49.5058,



# 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

50.5564, 49.5058, 56.1812

### Protanopia

48.0355, 49.7042, 58.1011

### Deuteranopia

50.5564, 49.5058, 56.1812



## Tritanopia

51.0734, 49.4200, 58.4769

# Trichromacy



## Original Color

50.5564, 49.5058, 56.1812

## Protanomaly

48.7584, 49.4687, 57.4306

## Deuteranomaly

50.5564, 49.5058, 56.1812

## Tritanomaly

50.9607, 49.3749, 57.8833

# Monochromacy



## Original Color

50.5564, 49.5058, 56.1812

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

49.1013, 50.3049, 55.8371

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.5564, 49.5058, 56.1812 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(203, 181, 191)` looks like.

```
.text, #text, p{  
    color:rgb(203, 181, 191)  
}
```

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(203, 181, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 181, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 50.5564, 49.5058, 56.1812 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(203, 181, 191) }
```



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

```
.border{ border-color:rgb(203, 181, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 181, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 181, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 181, 191);  
box-shadow:4px 4px 4px 4px rgb(203, 181,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.5564, 49.5058, 56.1812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 181, 191) }
```

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

```
.background{ background-color: rgb(203,  
181, 191) }
```

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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