

# Converting Colors

XYZ(56.1647, 58.0084, 65.2768)

Have a look what the booklet for  
XYZ(56.1647, 58.0084, 65.2768)  
contains.

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# Color

**XYZ(56.2243, 58.0439,  
65.3670)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCC7CC
RGB	204, 199, 204
RGB Percent	80%, 78%, 80%
CMY	0.2000, 0.2196, 0.2000
CMYK	0.00, 0.02, 0.00, 0.20
HSL	300°, 5%, 79%
HSV	300°, 2%, 80%
XYZ	56.2243, 58.0439, 65.3670
YIQ	201.0650, 1.3750, 2.6150

# Conversions

## Conversions Part 2

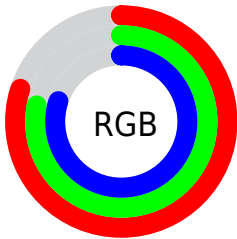
Format	Color
<b>R<sub>Y</sub>B</b>	204, 199, 204
Decimal	13420492
CIE Lab	80.76, 2.64, -1.89
CIE LCh	81, 3.246, 324.493
Yxy	58.0439, 0.3130, 0.3231
Android (android.graphics.Color)	4291610572 (0xFFCCC7CC)
YUV	201.0650, 1.4470, 2.5740
Hunter-Lab	76.1865, -1.5967, 2.4606

# Details

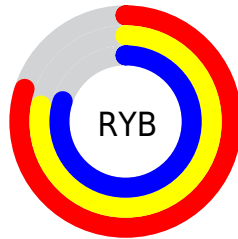
The XYZ color **56.2243, 58.0439, 65.3670** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.4572, 59.4530, 62.5886**, and the grayscale version is **55.5498, 58.4427, 63.6441**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **28.2081, 28.9368, 32.9528** is the 20% darker color. If you saturate the color by 10%, you get **51.8420, 49.2790, 63.9071**, and if you desaturate by 10%, it is **61.2392, 68.0722, 67.0392**.

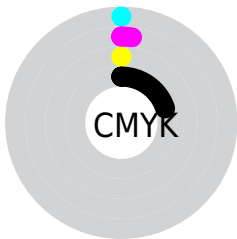
# Distribution



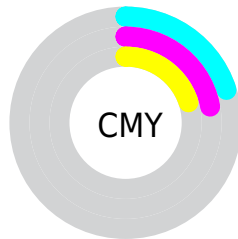
- Red (80%)
- Green (78%)
- Blue (80%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2243, 58.0439, 65.3670 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 56.2243, 58.0439, 65.3670 by changing the saturation by 10% instead.



■ 56.2243, 58.0439,  
65.3670

■ 56.2243, 58.0439,  
65.3670

400.5976,  
417.3495, 462.4519

■ 40.6205, 41.8439,  
47.3055

98.4704, 101.9868,  
114.1956

■ 28.2090, 28.9791,  
32.9212

125.8433,  
130.4985, 145.7999

■ 18.6245, 19.0650,  
21.7954

157.8701,  
163.8829, 182.7554

■ 11.5017, 11.7173,  
13.5098

194.9159,  
202.5245, 225.4808

■ 6.4751, 6.5515,  
7.6457

237.3462,  
246.8075, 274.3946

■ 3.1795, 3.1832,  
3.7846

285.5264,

■ 1.2494, 1.2281,

297.1164, 329.9154

1.5079

339.8217,  
353.8356, 392.4616

■ 0.1448, 0.0845,  
0.2238

■ 0.0000, 0.0000,  
0.0000

■ 56.2243, 58.0439,  
65.3670

■ 56.2243, 58.0439,  
65.3670

■ 51.8420, 49.2790,  
63.9071

■ 61.2392, 68.0722,  
67.0392

■ 48.0623, 41.7204,  
62.6473

■ 66.9051, 79.4033,  
68.9277

■ 44.8605, 35.3175,  
61.5802

■ 71.5627, 88.7179,  
70.4801

■ 42.2081, 30.0134,  
60.6962

■ 71.5631, 88.7181,  
70.4801

40.0743, 25.7463,  
59.9850

71.5635, 88.7183,  
70.4802

38.4250, 22.4484,  
59.4354

71.5640, 88.7186,  
70.4802

37.2224, 20.0438,  
59.0346

71.5644, 88.7188,  
70.4802

36.4228, 18.4453,  
58.7682

71.5649, 88.7190,  
70.4802

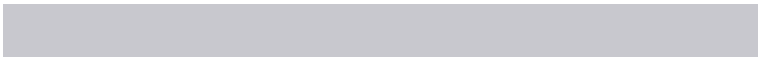
35.9740, 17.5483,  
58.6187

71.5653, 88.7192,  
70.4802

# Harmonies

## Analogous

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



55.7048, 58.0439, 66.6171



56.2243, 58.0439, 65.3670



56.4612, 58.0439, 63.5546

# Triad

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



56.2243, 58.0439, 65.3670



55.2927, 58.0439, 59.5983



54.0050, 58.0439, 64.7418

# Complementary

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



56.2243, 58.0439, 65.3670



55.4572, 59.4530, 62.5886

# 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.



53.8966, 58.0439, 62.8466



56.2243, 58.0439, 65.3670



54.6366, 58.0439, 59.9017

# Square

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



56.2243, 58.0439, 65.3670



55.9206, 58.0439, 60.2440



54.1270, 58.0439, 61.0813



54.4242, 58.0439, 66.2510



# Rectangle

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



56.2243, 58.0439, 65.3670



56.4256, 58.0439, 62.2811



54.1270, 58.0439, 61.0813



53.9312, 58.0439, 64.1277

# Sweetspot

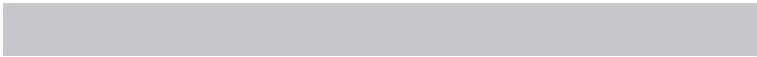
The Sweet Spot groups the original color and five complimentary colors.



56.2260, 58.0464, 65.3683



94.2418, 98.3837, 108.6306



54.8975, 57.3900, 65.3116



20.1801, 21.0752, 23.2543



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.



56.2260, 58.0464, 65.3683



92.6577, 95.2157, 108.1026



55.9386, 57.9315, 63.8544



12.2379, 12.5045, 14.3390



22.5308, 10.8226, 36.8577



1.1624, 0.5583, 1.9014



# Inverse Universe

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



55.6363, 57.8105, 62.2624



91.4506, 94.7329, 101.7449



55.7398, 59.5660, 64.0773



12.0405, 12.4255, 13.2993



15.6736, 8.0800, 0.7339

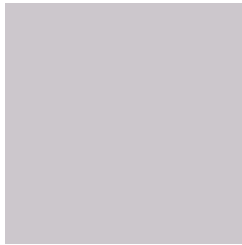


0.8086, 0.4168, 0.0379



# Previews

## White Background



This preview shows how the XYZ color 56.2243, 58.0439, 65.3670 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 56.2243, 58.0439, 65.3670 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

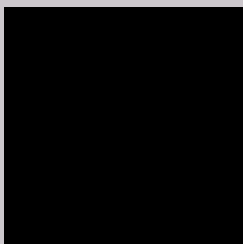
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

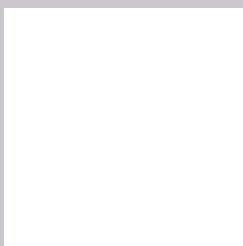
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 56.2243, 58.0439, 65.3670**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.2243, 58.0439, 65.3670.



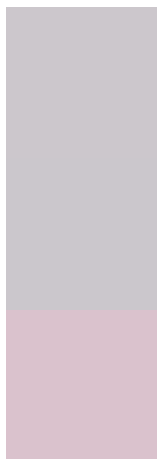
This preview shows how white text looks on a background with the XYZ color 56.2243, 58.0439,

65.3670.

# 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

56.2243, 58.0439, 65.3670

### Protanopia

55.9511, 57.9030, 65.3542

### Deuteranopia

59.2247, 57.8968, 65.8113



## Tritanopia

57.3812, 58.1714, 71.1547

# Trichromacy



## Original Color

56.2243, 58.0439, 65.3670

## Protanomaly

55.9511, 57.9030, 65.3542

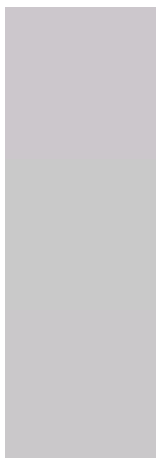
## Deuteranomaly

58.1999, 58.0338, 65.8918

## Tritanomaly

57.0038, 58.0204, 69.1674

# Monochromacy



## Original Color

56.2243, 58.0439, 65.3670

## Achromatopsia

55.5167, 58.4078, 63.6061

## Achromatomaly

55.6721, 58.1294, 64.1630

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.2243, 58.0439, 65.3670 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(204, 199, 204) looks like.

```
.text, #text, p{  
    color:rgb(204, 199, 204)  
}
```

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(204, 199, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 199, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 56.2243, 58.0439, 65.3670 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(204, 199, 204) }
```



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

```
.border{ border-color:rgb(204, 199, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 199, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 199, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 199, 204);  
box-shadow:4px 4px 4px 4px rgb(204, 199,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.2243, 58.0439, 65.3670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 199, 204) }
```

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

```
.background{ background-color: rgb(204,  
199, 204) }
```

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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