

# Converting Colors

XYZ(56.9079, 58.3628, 68.5199)

Have a look what the booklet for  
XYZ(56.9079, 58.3628, 68.5199)  
contains.

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# **Color**

**XYZ(56.8339, 58.2877,  
68.5768)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCC7D1
RGB	204, 199, 209
RGB Percent	80%, 78%, 82%
CMY	0.2000, 0.2196, 0.1804
CMYK	0.02, 0.05, 0.00, 0.18
HSL	270°, 10%, 80%
HSV	270°, 5%, 82%
XYZ	56.8339, 58.2877, 68.5768
YIQ	201.6350, -0.2300, 4.1700

# Conversions

## Conversions Part 2

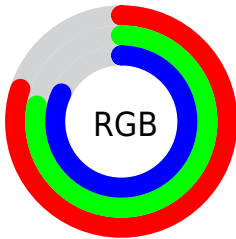
Format	Color
<b>RYB</b>	204, 199, 209
Decimal	13420497
CIELab	80.90, 3.57, -4.37
CIELCh	81, 5.643, 309.256
Yxy	58.2877, 0.3094, 0.3173
Android (android.graphics.Color)	4291610577 (0xFFCCC7D1)
YUV	201.6350, 3.6309, 2.0741
Hunter-Lab	76.3464, -0.7269, 0.1863

# Details

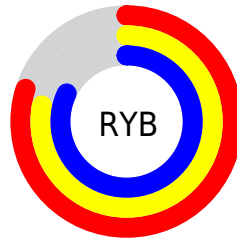
The XYZ color **56.8339, 58.2877, 68.5768** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.0133, 62.5634, 63.0541**, and the grayscale version is **55.8913, 58.8020, 64.0354**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **28.6195, 29.1014, 35.1191** is the 20% darker color. If you saturate the color by 10%, you get **49.5823, 47.8956, 66.9540**, and if you desaturate by 10%, it is **64.9416, 70.1048, 70.4313**.

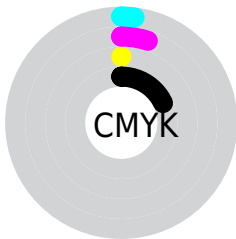
# Distribution



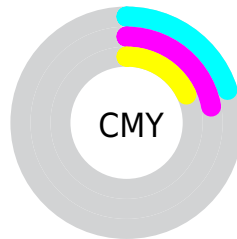
- Red (80%)
- Green (78%)
- Blue (82%)



- Red (80%)
- Yellow (78%)
- Blue (82%)



- Cyan (2%)
- Magenta (5%)
- Yellow (0%)
- Black (18%)



- Cyan (20%)
- Magenta (22%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8339, 58.2877, 68.5768 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 56.8339, 58.2877, 68.5768 by changing the saturation by 10% instead.



■ 56.8339, 58.2877,  
68.5768

■ 56.8339, 58.2877,  
68.5768

402.8509,  
418.2571, 474.1904

■ 41.1115, 42.0400,  
49.8975

99.3555, 102.3417,  
118.8389

■ 28.5943, 29.1326,  
34.9614

126.8855,  
130.9168, 151.2588

■ 18.9169, 19.1812,  
23.3498

159.0821,  
164.3698, 189.0960

■ 11.7139, 11.8013,  
14.6443

196.3105,  
203.0850, 232.7691

■ 6.6200, 6.6085,  
8.4263

238.9363,  
247.4470, 282.6965

■ 3.2698, 3.2185,  
4.2772

287.3247,

■ 1.2980, 1.2468,

297.8401, 339.2968

1.7786

341.8411,  
354.6487, 402.9886

■ 0.1817, 0.0995,  
0.4138

■ 0.0000, 0.0000,  
0.0000

■ 56.8339, 58.2877,  
68.5768

■ 56.8339, 58.2877,  
68.5768

■ 49.5823, 47.8956,  
66.9540

■ 64.9416, 70.1048,  
70.4313

■ 43.1513, 38.8656,  
65.5500

■ 73.9293, 83.3917,  
72.5222

■ 37.5101, 31.1410,  
64.3563

■ 81.6495, 93.8474,  
74.1335

■ 32.6240, 24.6584,  
63.3626

■ 85.2103, 95.6831,  
74.3001

■ 28.4555, 19.3486,  
62.5574

■ 88.5088, 97.3835,  
74.4545

■ 24.9633, 15.1356,  
61.9283

■ 22.1016, 11.9342,  
61.4612

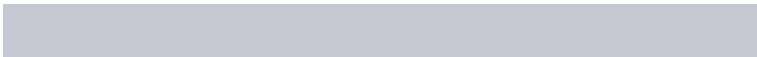
■ 19.8175, 9.6458,  
61.1398

■ 18.0477, 8.1504,  
60.9445

# Harmonies

## Analogous

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



55.7627, 58.2877, 70.0270



56.8339, 58.2877, 68.5768



57.5274, 58.2877, 65.7707

# Triad

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



56.8339, 58.2877, 68.5768



56.1999, 58.2877, 57.6390



53.2137, 58.2877, 64.5054

# Complementary

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



56.8339, 58.2877, 68.5768



58.0133, 62.5634, 63.0541

# 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.



53.3271, 58.2877, 61.2146



56.8339, 58.2877, 68.5768



55.0403, 58.2877, 57.3270

# Square

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



56.8339, 58.2877, 68.5768



57.1578, 58.2877, 59.4821



53.9918, 58.2877, 58.6145



53.6800, 58.2877, 67.6227



# Rectangle

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



56.8339, 58.2877, 68.5768



57.6766, 58.2877, 63.5490



53.9918, 58.2877, 58.6145



53.1854, 58.2877, 63.3819

# Sweetspot

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



56.8356, 58.2902, 68.5781



93.7742, 98.1427, 108.6087



56.6965, 60.0128, 68.9179



20.0850, 21.0262, 23.2498



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.



56.8356, 58.2902, 68.5781



87.6022, 89.2011, 107.2081



58.1811, 58.9838, 68.6410



12.1773, 12.3633, 14.9882



10.7629, 4.7288, 37.5380



0.6933, 0.3116, 2.1032



# Inverse Universe

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



57.6191, 58.7645, 65.4356



89.1548, 90.1409, 100.9812



56.7089, 61.8909, 62.9931



12.4128, 12.5058, 14.0438



17.8196, 9.0007, 9.2223

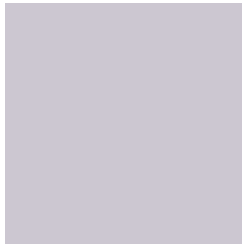


1.0364, 0.5193, 0.7266



# Previews

## White Background



This preview shows how the XYZ color 56.8339, 58.2877, 68.5768 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 56.8339, 58.2877, 68.5768 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

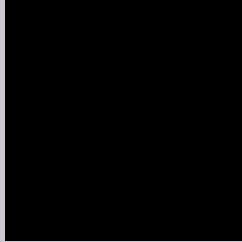
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 56.8339, 58.2877, 68.5768**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.8339, 58.2877, 68.5768.



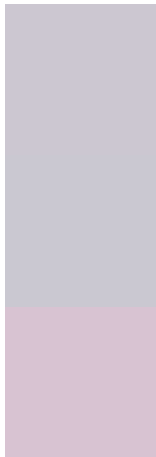
This preview shows how white text looks on a background with the XYZ color 56.8339, 58.2877,



# 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

56.8339, 58.2877, 68.5768

### Protanopia

56.5200, 58.4686, 68.6282

### Deuteranopia

59.4669, 58.2823, 69.0881



## Tritanopia

57.5085, 58.2223, 71.8253

# Trichromacy



## Original Color

56.8339, 58.2877, 68.5768

## Protanomaly

56.7915, 58.6085, 68.6409

## Deuteranomaly

58.5242, 58.1300, 69.1084

## Tritanomaly

57.2546, 58.1208, 70.4881

# Monochromacy



## Original Color

56.8339, 58.2877, 68.5768

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

56.5347, 58.8776, 66.1424

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.8339, 58.2877, 68.5768 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, 209) looks like.

```
.text, #text, p{  
    color:rgb(204, 199, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 199, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 56.8339, 58.2877, 68.5768 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, 209) }
```



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

```
.border{ border-color:rgb(204, 199, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 199, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 199, 209);  
box-shadow:4px 4px 4px 4px rgb(204, 199,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.8339, 58.2877, 68.5768 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, 209) }
```

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

```
.background{ background-color: rgb(204,  
199, 209) }
```

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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