

# Converting Colors

XYZ(59.1009, 61.2647, 69.9612)

Have a look what the booklet for  
XYZ(59.1009, 61.2647, 69.9612)  
contains.

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# **Color**

**XYZ(58.9579, 61.1043,  
69.6597)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CFCCD2
RGB	207, 204, 210
RGB Percent	81%, 80%, 82%
CMY	0.1882, 0.2000, 0.1765
CMYK	0.01, 0.03, 0.00, 0.18
HSL	270°, 6%, 81%
HSV	270°, 3%, 82%
XYZ	58.9579, 61.1043, 69.6597
YIQ	205.5810, -0.1380, 2.5020

# Conversions

## Conversions Part 2

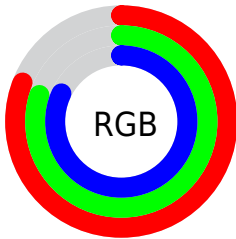
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 204, 210
Decimal	13618386
CIE Lab	82.43, 2.13, -2.62
CIE LCh	82, 3.377, 309.157
Yxy	61.1043, 0.3108, 0.3221
Android (android.graphics.Color)	4291808466 (0xFFCFCCD2)
YUV	205.5810, 2.1786, 1.2445
Hunter-Lab	78.1692, -2.1654, 1.8828

# Details

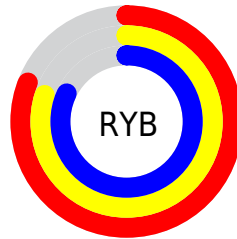
The XYZ color **58.9579, 61.1043, 69.6597** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.6801, 63.7199, 66.2835**, and the grayscale version is **58.3866, 61.4272, 66.8943**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **30.0440, 30.9853, 35.8498** is the 20% darker color. If you saturate the color by 10%, you get **51.4617, 50.3245, 67.9750**, and if you desaturate by 10%, it is **67.3259, 73.3360, 71.5805**.

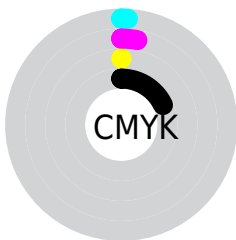
# Distribution



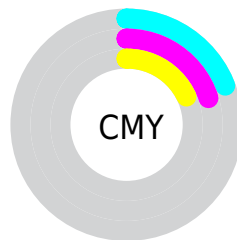
- Red (81%)
- Green (80%)
- Blue (82%)



- Red (81%)
- Yellow (80%)
- Blue (82%)



- Cyan (1%)
- Magenta (3%)
- Yellow (0%)
- Black (18%)



- Cyan (19%)
- Magenta (20%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.9579, 61.1043, 69.6597 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 58.9579, 61.1043, 69.6597 by changing the saturation by 10% instead.



■ 58.9579, 61.1043,  
69.6597

■ 58.9579, 61.1043,  
69.6597

410.6424,  
428.6563, 478.1111

■ 42.8255, 44.3093,  
50.7741

102.4315,  
106.4299, 120.3999

■ 29.9421, 30.9138,  
35.6534

130.5033,  
135.7294, 153.0915

■ 19.9425, 20.5332,  
23.8790

163.2856,  
169.9659, 191.2223

■ 12.4613, 12.7832,  
15.0325

201.1438,  
209.5237, 235.2106

■ 7.1331, 7.2794,  
8.6953

244.4433,  
254.7872, 285.4751

■ 3.5925, 3.6375,  
4.4489

293.5493,

■ 1.4743, 1.4729,

306.1409, 342.4343

1.8747

348.8272,  
363.9691, 406.5068

■ 0.3083, 0.2695,  
0.4766

■ 0.0000, 0.0000,  
0.0000

■ 58.9579, 61.1043,  
69.6597

■ 58.9579, 61.1043,  
69.6597

■ 51.4617, 50.3245,  
67.9750

■ 67.3259, 73.3360,  
71.5805

■ 44.8015, 40.9334,  
66.5134

■ 76.5894, 87.0640,  
73.7421

■ 38.9467, 32.8744,  
65.2664

■ 82.8274, 94.4403,  
74.8371

■ 33.8627, 26.0843,  
64.2237

■ 86.4687, 96.3175,  
75.0075

■ 29.5119, 20.4942,  
63.3741

■ 88.6330, 97.4332,  
75.1088

■ 25.8536, 16.0289,  
62.7050

■ 22.8423, 12.6041,  
62.2026

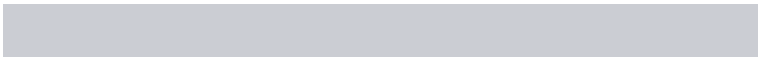
■ 20.4261, 10.1229,  
61.8511

■ 18.5434, 8.4693,  
61.6311

# Harmonies

## Analogous

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



58.2988, 61.1043, 70.5308



58.9579, 61.1043, 69.6597



59.3835, 61.1043, 67.9554

# Triad

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



58.9579, 61.1043, 69.6597



58.5726, 61.1043, 62.8890



56.7194, 61.1043, 67.1662

# Complementary

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



58.9579, 61.1043, 69.6597



59.6801, 63.7199, 66.2835

# 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.



56.7914, 61.1043, 65.1290



58.9579, 61.1043, 69.6597



57.8574, 61.1043, 62.6876

# Square

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



58.9579, 61.1043, 69.6597



59.1598, 61.1043, 64.0557



57.2065, 61.1043, 63.4997



57.0091, 61.1043, 69.0717



# Rectangle

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



58.9579, 61.1043, 69.6597



59.4755, 61.1043, 66.5907



57.2065, 61.1043, 63.4997



56.7022, 61.1043, 66.4738

# Sweetspot

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



58.9596, 61.1069, 69.6610



93.7741, 98.1426, 108.6087



58.8741, 62.1669, 69.8701



20.0850, 21.0261, 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.



58.9596, 61.1069, 69.6610



91.2639, 94.4972, 108.0374



59.7774, 61.5285, 69.6993



12.6508, 13.0474, 15.0953



10.7614, 4.7280, 37.5379



0.6932, 0.3115, 2.1032



# Inverse Universe

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



59.4359, 61.3952, 67.7524



92.0484, 94.9720, 104.8932



58.8772, 63.3060, 66.2460



12.7867, 13.1296, 14.5507



17.8203, 9.0010, 9.2258

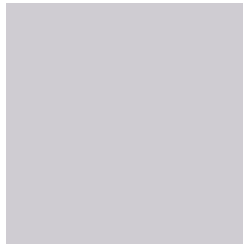


1.0365, 0.5193, 0.7268



# Previews

## White Background



This preview shows how the XYZ color 58.9579, 61.1043, 69.6597 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 58.9579, 61.1043, 69.6597 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

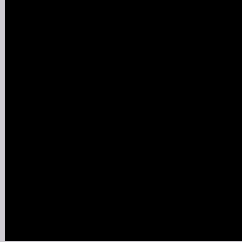
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

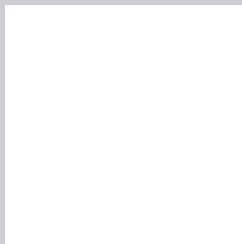
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 58.9579, 61.1043, 69.6597

## Background



This preview shows how black text looks on a background with the XYZ color 58.9579, 61.1043, 69.6597.



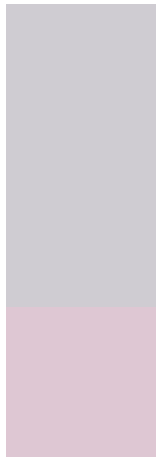
This preview shows how white text looks on a background with the XYZ color 58.9579, 61.1043,



# 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

58.9579, 61.1043, 69.6597

### Protanopia

58.9579, 61.1043, 69.6597

### Deuteranopia

62.3055, 61.0796, 70.1337



## Tritanopia

60.1545, 61.2362, 75.6671

# Trichromacy



## Original Color

58.9579, 61.1043, 69.6597

## Protanomaly

58.9579, 61.1043, 69.6597

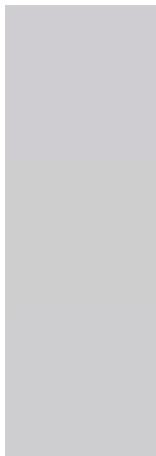
## Deuteranomaly

61.2598, 61.2282, 70.2175

## Tritanomaly

59.7630, 61.0796, 73.6054

# Monochromacy



## Original Color

58.9579, 61.1043, 69.6597

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

58.5474, 61.2894, 67.7758

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.9579, 61.1043, 69.6597 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(207, 204, 210) looks like.

```
.text, #text, p{  
    color:rgb(207, 204, 210)  
}
```

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(207, 204, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 204, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 58.9579, 61.1043, 69.6597 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(207, 204, 210) }
```



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

```
.border{ border-color:rgb(207, 204, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 204, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 204, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 204, 210);  
box-shadow:4px 4px 4px 4px rgb(207, 204,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.9579, 61.1043, 69.6597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 204, 210) }
```

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

```
.background{ background-color: rgb(207,  
204, 210) }
```

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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