

# Converting Colors

XYZ(59.1572, 63.4178, 67.8419)

Have a look what the booklet for  
XYZ(59.1572, 63.4178, 67.8419)  
contains.

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# Color

**XYZ(59.2109, 63.4356,  
68.1550)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCD2CF
RGB	204, 210, 207
RGB Percent	80%, 82%, 81%
CMY	0.2000, 0.1765, 0.1882
CMYK	0.03, 0.00, 0.01, 0.18
HSL	150°, 6%, 81%
HSV	150°, 3%, 82%
XYZ	59.2109, 63.4356, 68.1550
YIQ	207.8640, -2.6130, -2.2050

# Conversions

## Conversions Part 2

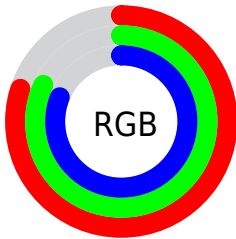
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 208, 210
Decimal	13423311
CIE Lab	83.67, -2.59, 0.76
CIE LCh	84, 2.697, 163.575
Yxy	63.4356, 0.3103, 0.3325
Android (android.graphics.Color)	4291613391 (0xFFCCD2CF)
YUV	207.8640, -0.4260, -3.3887
Hunter-Lab	79.6465, -6.6806, 5.0169

# Details

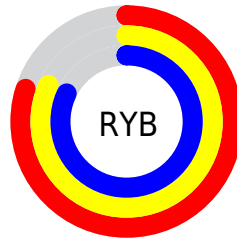
The XYZ color **59.2109, 63.4356, 68.1550** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.4360, 61.3939, 67.7522**, and the grayscale version is **59.8715, 62.9895, 68.5956**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **30.2159, 32.5609, 34.8293** is the 20% darker color. If you saturate the color by 10%, you get **52.5967, 60.1712, 61.3626**, and if you desaturate by 10%, it is **66.6903, 67.1398, 75.4367**.

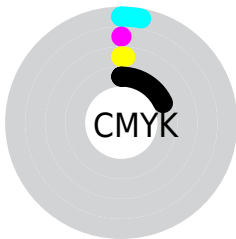
# Distribution



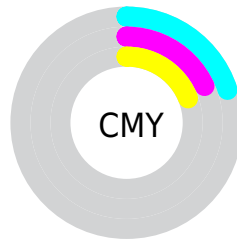
- Red (80%)
- Green (82%)
- Blue (81%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2109, 63.4356, 68.1550 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 59.2109, 63.4356, 68.1550 by changing the saturation by 10% instead.



■ 59.2109, 63.4356,  
68.1550

■ 59.2109, 63.4356,  
68.1550

411.5645,  
437.1486, 472.6580

■ 43.0299, 46.1937,  
49.5564

102.7970,  
109.7977, 118.2302

■ 30.1032, 32.3987,  
34.6923

130.9328,  
139.6867, 150.5438

■ 20.0654, 21.6662,  
23.1443

163.7844,  
174.5602, 188.2661

■ 12.5511, 13.6118,  
14.4938

201.7169,  
214.8025, 231.8158

■ 7.1951, 7.8512,  
8.3222

245.0959,  
260.7982, 281.6112

■ 3.6318, 3.9999,  
4.2111

294.2865,

■ 1.4960, 1.6735,

312.9315, 338.0711

1.7419

349.6543,  
371.5868, 401.6138

■ 0.3231, 0.4064,  
0.3892

■ 0.0000, 0.0000,  
0.0000

■ 59.2109, 63.4356,  
68.1550

■ 59.2109, 63.4356,  
68.1550

■ 52.5967, 60.1712,  
61.3626

■ 66.6903, 67.1398,  
75.4367

■ 46.8099, 57.3218,  
55.0453

■ 75.0602, 71.2912,  
83.2134

■ 41.8177, 54.8725,  
49.1938

■ 79.7970, 73.5594,  
91.2829

■ 37.5828, 52.8045,  
43.7975

■ 81.3909, 74.1969,  
99.6759

■ 34.0653, 51.0971,  
38.8448

■ 82.3379, 74.5757,  
104.6626

■ 31.2209, 49.7278,  
34.3240

■ 29.0004, 48.6716,  
30.2225

■ 27.3474, 47.8996,  
26.5271

■ 26.1943, 47.3770,  
23.2236

# Harmonies

## Analogous

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



59.5142, 63.4356, 66.7410



59.2109, 63.4356, 68.1550



59.1965, 63.4356, 69.8368

# Triad

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



59.2109, 63.4356, 68.1550



60.5606, 63.4356, 72.2806



61.1201, 63.4356, 66.8529

# Complementary

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



59.2109, 63.4356, 68.1550



59.4360, 61.3939, 67.7522

# 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.



61.4043, 63.4356, 68.3100



59.2109, 63.4356, 68.1550



61.0798, 63.4356, 71.4537

# Square

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



59.2109, 63.4356, 68.1550



59.9731, 63.4356, 72.2374



61.3895, 63.4356, 69.9943



60.6153, 63.4356, 65.9977



# Rectangle

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



59.2109, 63.4356, 68.1550



59.3524, 63.4356, 70.8849



61.3895, 63.4356, 69.9943



61.2448, 63.4356, 67.2875

# Sweetspot

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



59.2127, 63.4383, 68.1564



93.9133, 99.4377, 107.7782



59.7081, 63.7357, 66.2828



20.1133, 21.2897, 23.0808



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.



59.2127, 63.4383, 68.1564



91.6812, 98.3338, 105.5579



59.5711, 63.5817, 70.0435



12.7232, 13.7105, 14.6655



15.6623, 28.7579, 13.1338



0.9158, 1.6240, 0.9453



# Inverse Universe

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



59.4360, 61.3939, 67.7522



92.0484, 94.9720, 104.8933



59.0842, 61.2532, 65.8994



12.7867, 13.1296, 14.5507



17.8204, 9.0010, 9.2264

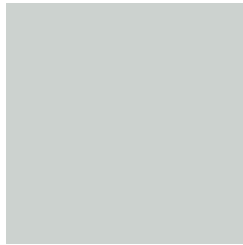


1.0365, 0.5193, 0.7268



# Previews

## White Background



This preview shows how the XYZ color 59.2109, 63.4356, 68.1550 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

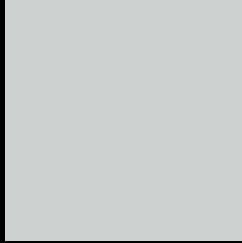
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.2109, 63.4356, 68.1550 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

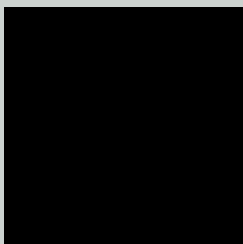
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

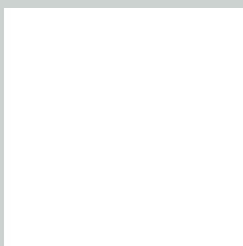
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 59.2109, 63.4356, 68.1550

## Background



This preview shows how black text looks on a background with the XYZ color 59.2109, 63.4356, 68.1550.



This preview shows how white text looks on a background with the XYZ color 59.2109, 63.4356,



# 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

59.2109, 63.4356, 68.1550

### Protanopia

60.8940, 63.2280, 67.3873

### Deuteranopia

64.6241, 63.3385, 69.1411



## Tritanopia

61.4995, 63.2729, 79.4925

# Trichromacy



## Original Color

59.2109, 63.4356, 68.1550

## Protanomaly

60.2748, 63.2696, 67.4280

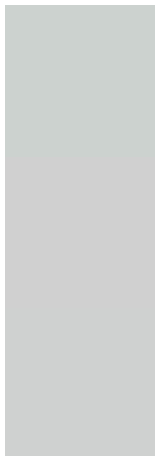
## Deuteranomaly

62.4299, 63.2768, 68.5977

## Tritanomaly

60.6644, 63.2955, 75.3496

# Monochromacy



## Original Color

59.2109, 63.4356, 68.1550

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

59.9178, 63.4204, 68.7579

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.2109, 63.4356, 68.1550 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, 210, 207) looks like.

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

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, 210, 207) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 59.2109, 63.4356, 68.1550 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, 210, 207) }
```



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

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

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

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

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

# Background

The CSS property to change the background color of an element to XYZ 59.2109, 63.4356, 68.1550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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