

# Converting Colors

XYZ(59.4994, 63.2241, 69.4541)

Have a look what the booklet for  
XYZ(59.4994, 63.2241, 69.4541)  
contains.

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# Color

**XYZ(59.4859, 63.1835,  
69.3820)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDD1D1
RGB	205, 209, 209
RGB Percent	80%, 82%, 82%
CMY	0.1961, 0.1804, 0.1804
CMYK	0.02, 0.00, 0.00, 0.18
HSL	180°, 4%, 81%
HSV	180°, 2%, 82%
XYZ	59.4859, 63.1835, 69.3820
YIQ	207.8040, -2.3840, -0.8480

# Conversions

## Conversions Part 2

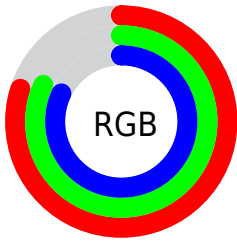
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	205, 207, 209
Decimal	13488593
CIE Lab	83.54, -1.36, -0.49
CIE LCh	84, 1.442, 199.695
Yxy	63.1835, 0.3097, 0.3290
Android (android.graphics.Color)	4291678673 (0xFFCDD1D1)
YUV	207.8040, 0.5896, -2.4591
Hunter-Lab	79.4880, -5.5213, 3.8897

# Details

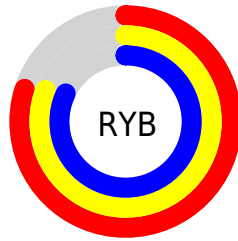
The XYZ color **59.4859, 63.1835, 69.3820** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.1476, 61.6273, 66.5385**, and the grayscale version is **59.8262, 62.9418, 68.5436**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **30.4002, 32.3886, 35.6597** is the 20% darker color. If you saturate the color by 10%, you get **54.0996, 60.4088, 69.1196**, and if you desaturate by 10%, it is **65.6460, 66.3607, 69.6832**.

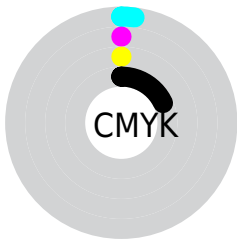
# Distribution



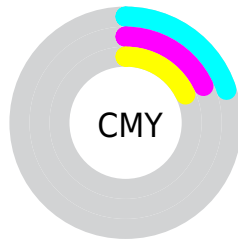
- Red (80%)
- Green (82%)
- Blue (82%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.4859, 63.1835, 69.3820 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 59.4859, 63.1835, 69.3820 by changing the saturation by 10% instead.



■ 59.4859, 63.1835,  
69.3820

■ 59.4859, 63.1835,  
69.3820

412.5654,  
436.2351, 477.1075

■ 43.2523, 45.9897,  
50.5492

103.1941,  
109.4342, 119.9999

■ 30.2785, 32.2377,  
35.4757

131.3994,  
139.2599, 152.6220

■ 20.1992, 21.5431,  
23.7431

164.3260,  
174.0649, 190.6776

■ 12.6490, 13.5216,  
14.9327

202.3392,  
214.2338, 234.5853

■ 7.2626, 7.7887,  
8.6261

245.8044,  
260.1509, 284.7636

■ 3.6747, 3.9600,  
4.4046

295.0869,

■ 1.5198, 1.6512,

312.2005, 341.6310

1.8498

350.5521,  
370.7671, 405.6062

■ 0.3392, 0.3918,  
0.4605

■ 0.0000, 0.0000,  
0.0000

■ 59.4859, 63.1835,  
69.3820

■ 59.4859, 63.1835,  
69.3820

■ 54.0996, 60.4088,  
69.1196

■ 65.6460, 66.3607,  
69.6832

■ 49.4513, 58.0128,  
68.8904

■ 72.6030, 69.9469,  
70.0205

■ 45.5106, 55.9815,  
68.6943

■ 75.5572, 71.4696,  
70.1704

■ 42.2428, 54.2972,  
68.5297

■ 75.5594, 71.4704,  
70.1821

■ 39.6102, 52.9403,  
68.3949

■ 75.5616, 71.4713,  
70.1939

■ 37.5715, 51.8896,  
68.2878

■ 75.5639, 71.4722,  
70.2057

■ 36.0806, 51.1212,  
68.2064

■ 75.5661, 71.4731,  
70.2174

■ 35.0845, 50.6080,  
68.1482

■ 75.5683, 71.4740,  
70.2292

■ 34.5197, 50.3171,  
68.1101

■ 75.5706, 71.4749,  
70.2410

# Harmonies

## Analogous

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



59.4604, 63.1835, 68.4864



59.4859, 63.1835, 69.3820



59.6633, 63.1835, 70.1267

# Triad

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



59.4859, 63.1835, 69.3820



60.5168, 63.1835, 69.9236



60.1624, 63.1835, 67.1045

# Complementary

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



59.4859, 63.1835, 69.3820



59.1476, 61.6273, 66.5385

# 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.



60.4464, 63.1835, 67.4825



59.4859, 63.1835, 69.3820



60.6516, 63.1835, 69.1067

# Square

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



59.4859, 63.1835, 69.3820



60.2583, 63.1835, 70.4412



60.6257, 63.1835, 68.2135



59.8502, 63.1835, 67.1767



# Rectangle

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



59.4859, 63.1835, 69.3820



59.8442, 63.1835, 70.4348



60.6257, 63.1835, 68.2135



60.2643, 63.1835, 67.1830

# Sweetspot

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



59.4877, 63.1862, 69.3834



94.1177, 99.5194, 108.8545



59.0169, 63.0000, 66.8082



20.1549, 21.3063, 23.2998



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.



59.4877, 63.1862, 69.3834



93.1978, 99.0452, 108.8096



59.0162, 62.2425, 69.2283



13.0642, 13.8740, 15.2326



21.1404, 30.9491, 41.9810



1.1822, 1.7305, 2.3481



# Inverse Universe

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



59.1476, 61.6273, 66.5385



92.6349, 96.4652, 104.1012



59.6129, 62.5587, 66.6916



12.9908, 13.5378, 14.6189



16.2132, 8.3581, 0.7629

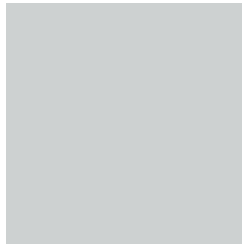


0.9067, 0.4674, 0.0434



# Previews

## White Background



This preview shows how the XYZ color 59.4859, 63.1835, 69.3820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

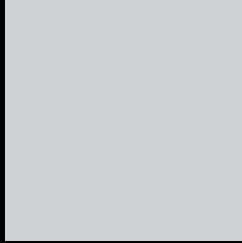
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.4859, 63.1835, 69.3820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

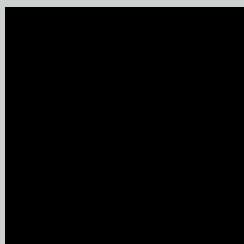
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

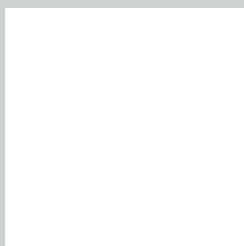
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 59.4859, 63.1835, 69.3820**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.4859, 63.1835, 69.3820.



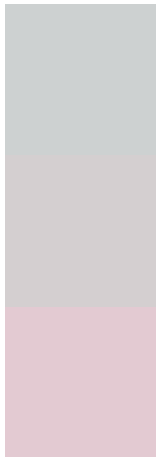
This preview shows how white text looks on a background with the XYZ color 59.4859, 63.1835, 69.3820.



# 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

59.4859, 63.1835, 69.3820

### Protanopia

60.8494, 63.1768, 68.6617

### Deuteranopia

64.4319, 63.2251, 69.7805



## Tritanopia

61.3642, 63.2188, 78.7802

# Trichromacy



## Original Color

59.4859, 63.1835, 69.3820

## Protanomaly

60.2355, 63.2211, 68.7027

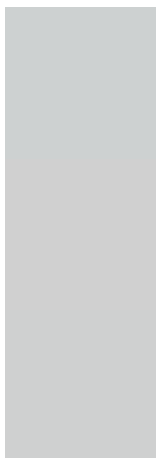
## Deuteranomaly

62.6776, 63.3759, 69.9021

## Tritanomaly

60.6644, 63.2955, 75.3496

# Monochromacy



## Original Color

59.4859, 63.1835, 69.3820

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

59.6732, 62.9312, 68.6763

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.4859, 63.1835, 69.3820 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(205, 209, 209) looks like.

```
.text, #text, p{  
    color:rgb(205, 209, 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(205, 209, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 209, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 59.4859, 63.1835, 69.3820 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(205, 209, 209) }
```



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

```
.border{ border-color:rgb(205, 209, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 209, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 209, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 209, 209);  
box-shadow:4px 4px 4px 4px rgb(205, 209,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.4859, 63.1835, 69.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 209, 209) }
```

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

```
.background{ background-color: rgb(205,  
209, 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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