

# Converting Colors

XYZ(55.5663, 59.7916, 67.8437)

Have a look what the booklet for  
XYZ(55.5663, 59.7916, 67.8437)  
contains.

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# **Color**

**XYZ(55.5995, 59.7697,  
67.6378)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3CDCF
RGB	195, 205, 207
RGB Percent	76%, 80%, 81%
CMY	0.2353, 0.1961, 0.1882
CMYK	0.06, 0.01, 0.00, 0.19
HSL	190°, 11%, 79%
HSV	190°, 6%, 81%
XYZ	55.5995, 59.7697, 67.6378
YIQ	202.2380, -6.6020, -1.4980

# Conversions

## Conversions Part 2

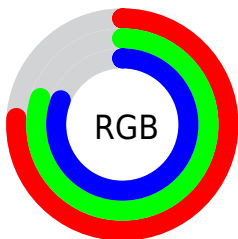
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 200, 207
Decimal	12832207
CIE Lab	81.71, -3.01, -2.18
CIE LCh	82, 3.717, 215.898
Yxy	59.7697, 0.3038, 0.3266
Android (android.graphics.Color)	4291022287 (0xFFC3CDCF)
YUV	202.2380, 2.3477, -6.3477
Hunter-Lab	77.3109, -6.9225, 2.2459

# Details

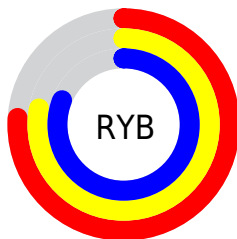
The XYZ color **55.5995, 59.7697, 67.6378** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.5490, 57.1377, 59.7317**, and the grayscale version is **56.2777, 59.2086, 64.4781**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **27.8009, 30.0958, 34.4808** is the 20% darker color. If you saturate the color by 10%, you get **49.8029, 55.5732, 67.1342**, and if you desaturate by 10%, it is **62.1592, 64.3898, 68.1848**.

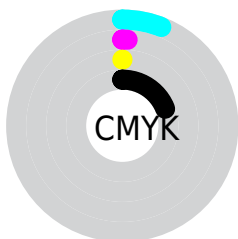
# Distribution



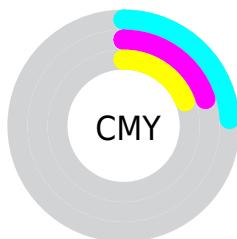
- Red (76%)
- Green (80%)
- Blue (81%)



- Red (76%)
- Yellow (78%)
- Blue (81%)



- Cyan (6%)
- Magenta (1%)
- Yellow (0%)
- Black (19%)



- Cyan (24%)
- Magenta (20%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5995, 59.7697, 67.6378 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 55.5995, 59.7697, 67.6378 by changing the saturation by 10% instead.



■ 55.5995, 59.7697,  
67.6378

■ 55.5995, 59.7697,  
67.6378

398.2800,  
423.7484, 470.7748

■ 40.1176, 43.2330,  
49.1383

97.5620, 104.4955,  
117.4831

■ 27.8149, 30.0680,  
34.3628

124.7733,  
133.4535, 149.6661

■ 18.3259, 19.8902,  
22.8928

156.6252,  
167.3206, 187.2472

■ 11.2853, 12.3153,  
14.3098

193.4829,  
206.4814, 230.6450

■ 6.3278, 6.9588,  
8.1953

235.7119,  
251.3201, 280.2782

■ 3.0880, 3.4363,  
4.1306

283.6775,

■ 1.2004, 1.3635,

302.2213, 336.5652

1.6973

337.7451,  
359.5692, 399.9245

■ 0.1067, 0.1896,  
0.3589

■ 0.0000, 0.0000,  
0.0000

■ 55.5995, 59.7697,  
67.6378

■ 55.5995, 59.7697,  
67.6378

■ 49.8029, 55.5732,  
67.1342

■ 62.1592, 64.3898,  
68.1848

■ 44.7338, 51.7769,  
66.6686

■ 69.5054, 69.4408,  
68.7725

■ 40.3613, 48.3662,  
66.2408

■ 76.8895, 74.5387,  
69.3673

■ 36.6504, 45.3231,  
65.8490

■ 77.7777, 76.3152,  
69.6634

■ 33.5631, 42.6276,  
65.4914

■ 78.6846, 78.1290,  
69.9657

■ 31.0570, 40.2579,  
65.1661

■ 79.6102, 79.9801,  
70.2742

■ 29.0848, 38.1893,  
64.8708

■ 80.5546, 81.8689,  
70.5890

■ 27.5913, 36.3932,  
64.6028

■ 81.5179, 83.7955,  
70.9101

■ 26.5080, 34.8341,  
64.3589

■ 82.5002, 85.7601,  
71.2376

# Harmonies

## Analogous

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



55.3262, 59.7697, 65.5227



55.5995, 59.7697, 67.6378



56.1973, 59.7697, 69.0911

# Triad

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



55.5995, 59.7697, 67.6378



58.1935, 59.7697, 66.8541



56.6549, 59.7697, 60.8873

# Complementary

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



55.5995, 59.7697, 67.6378



55.5490, 57.1377, 59.7317

# 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.



57.4258, 59.7697, 61.2253



55.5995, 59.7697, 67.6378



58.3187, 59.7697, 64.6374

# Square

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



55.5995, 59.7697, 67.6378



57.6959, 59.7697, 68.6315



58.0365, 59.7697, 62.5856



55.9319, 59.7697, 61.6514



# Rectangle

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



55.5995, 59.7697, 67.6378



56.7018, 59.7697, 69.4712



58.0365, 59.7697, 62.5856



56.9170, 59.7697, 60.8760

# Sweetspot

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



55.6012, 59.7722, 67.6391



92.9284, 98.5052, 108.7233



54.8746, 60.2508, 61.4416



19.9127, 21.0999, 23.2731



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

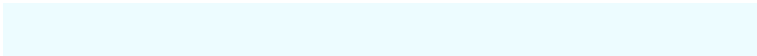


# Same Dimension

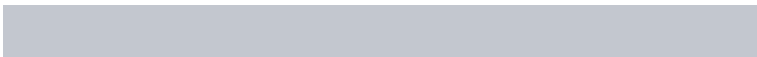
The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.6012, 59.7722, 67.6391



87.8448, 94.8897, 108.2934



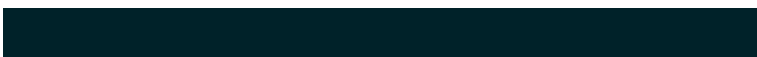
54.2387, 57.0471, 67.1849



12.2362, 13.2396, 15.1542



16.5168, 21.6803, 40.5067



0.9691, 1.3034, 2.2801



# Inverse Universe

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



56.2680, 56.7046, 65.7399



89.1430, 88.9454, 104.5899



56.8922, 59.8240, 60.1795



12.4290, 12.3583, 14.6039



20.9677, 10.2599, 25.7996

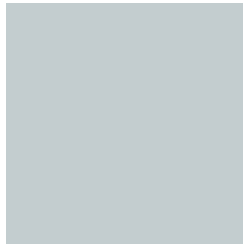


1.1954, 0.5829, 1.5637



# Previews

## White Background



This preview shows how the XYZ color 55.5995, 59.7697, 67.6378 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

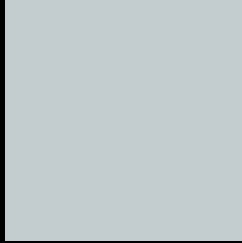
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.5995, 59.7697, 67.6378 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

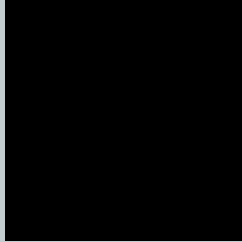
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

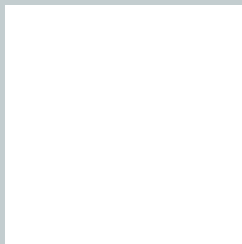
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 55.5995, 59.7697, 67.6378**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.5995, 59.7697, 67.6378.



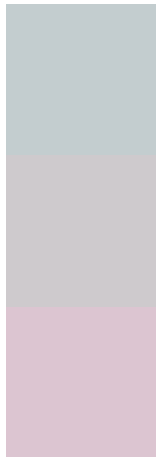
This preview shows how white text looks on a background with the XYZ color 55.5995, 59.7697,



# 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

55.5995, 59.7697, 67.6378

### Protanopia

57.5936, 59.7706, 66.2590

### Deuteranopia

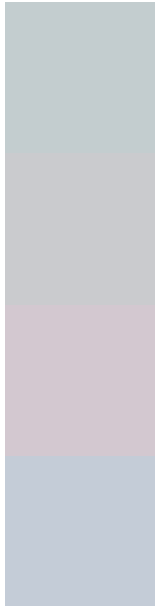
60.9901, 59.7516, 68.6403



## Tritanopia

57.1681, 59.6967, 75.5274

# Trichromacy



## Original Color

55.5995, 59.7697, 67.6378

## Protanomaly

56.8536, 59.7247, 66.9240

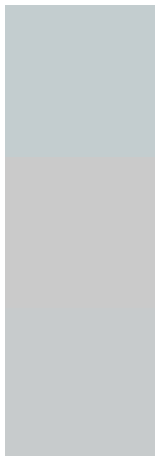
## Deuteranomaly

58.9034, 59.7115, 68.0954

## Tritanomaly

56.6236, 59.8278, 72.8535

# Monochromacy



## Original Color

55.5995, 59.7697, 67.6378

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

55.8082, 59.2136, 65.6147

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.5995, 59.7697, 67.6378 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(195, 205, 207)` looks like.

```
.text, #text, p{  
    color:rgb(195, 205, 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(195, 205, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 205, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 55.5995, 59.7697, 67.6378 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(195, 205, 207) }
```



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

```
.border{ border-color:rgb(195, 205, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 205, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 205, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 205, 207);  
box-shadow:4px 4px 4px 4px rgb(195, 205,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.5995, 59.7697, 67.6378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 205, 207) }
```

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

```
.background{ background-color: rgb(195,  
205, 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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