

# Converting Colors

XYZ(58.5357, 62.2845, 65.4807)

Have a look what the booklet for  
XYZ(58.5357, 62.2845, 65.4807)  
contains.

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# Color

**XYZ(58.5122, 62.4027,  
65.4609)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDD0CB
RGB	205, 208, 203
RGB Percent	80%, 82%, 80%
CMY	0.1961, 0.1843, 0.2039
CMYK	0.01, 0.00, 0.02, 0.18
HSL	96°, 5%, 81%
HSV	96°, 2%, 82%
XYZ	58.5122, 62.4027, 65.4609
YIQ	206.5330, -0.1830, -2.1910

# Conversions

## Conversions Part 2

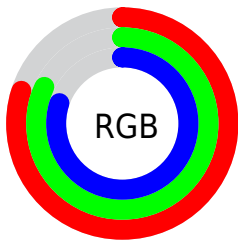
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 208, 206
Decimal	13488331
CIE Lab	83.13, -1.93, 2.11
CIE LCh	83, 2.859, 132.440
Yxy	62.4027, 0.3139, 0.3348
Android (android.graphics.Color)	4291678411 (0xFFCDD0CB)
YUV	206.5330, -1.7418, -1.3444
Hunter-Lab	78.9954, -6.0262, 6.1651

# Details

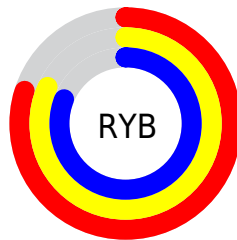
The XYZ color **58.5122, 62.4027, 65.4609** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.1971, 60.3894, 68.2668**, and the grayscale version is **59.0203, 62.0940, 67.6203**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **29.7429, 31.8604, 33.0158** is the 20% darker color. If you saturate the color by 10%, you get **52.8900, 59.7736, 53.1148**, and if you desaturate by 10%, it is **64.7455, 65.3119, 79.5743**.

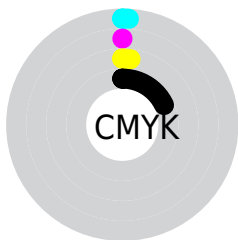
# Distribution



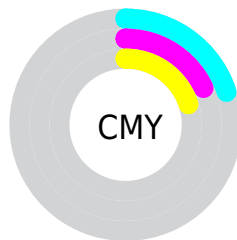
- Red (80%)
- Green (82%)
- Blue (80%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (2%)
- Black (18%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5122, 62.4027, 65.4609 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 58.5122, 62.4027, 65.4609 by changing the saturation by 10% instead.



■ 58.5122, 62.4027,  
65.4609

■ 58.5122, 62.4027,  
65.4609

409.0150,  
433.3985, 462.7979

■ 42.4654, 45.3582,  
47.3812

101.7871,  
108.3073, 114.3318

■ 29.6586, 31.7396,  
32.9806

129.7458,  
137.9362, 145.9602

■ 19.7264, 21.1627,  
21.8406

162.4060,  
172.5287, 182.9418

■ 12.3034, 13.2430,  
13.5426

200.1329,  
212.4691, 225.6952

■ 7.0243, 7.5961,  
7.6681

243.2919,  
258.1419, 274.6389

■ 3.5238, 3.8376,  
3.7986

292.2483,

■ 1.4364, 1.5831,

309.9315, 330.1916

1.5155

347.3676,  
368.2222, 392.7718

■ 0.2820, 0.3462,  
0.2295

■ 0.0000, 0.0000,  
0.0000

■ 58.5122, 62.4027,  
65.4609

■ 58.5122, 62.4027,  
65.4609

■ 52.8900, 59.7736,  
53.1148

■ 64.7455, 65.3119,  
79.5743

■ 47.8542, 57.4081,  
42.4624

■ 71.6031, 68.5014,  
95.5166

■ 43.3858, 55.2998,  
33.4308

■ 77.3840, 71.2934,  
104.2902

■ 39.4628, 53.4392,  
25.9404

■ 81.8286, 73.5846,  
104.4982

■ 36.0618, 51.8160,  
19.9049

■ 81.8471, 73.5942,  
104.4990

■ 33.1574, 50.4192,  
15.2294

■ 30.7215, 49.2366,  
11.8076

■ 28.7227, 48.2549,  
9.5176

■ 27.1247, 47.4583,  
8.2130

# Harmonies

## Analogous

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



59.0558, 62.4027, 64.6708



58.5122, 62.4027, 65.4609



58.1842, 62.4027, 66.9225

# Triad

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



58.5122, 62.4027, 65.4609



58.9535, 62.4027, 71.2484



60.4820, 62.4027, 67.2141

# Complementary

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



58.5122, 62.4027, 65.4609



58.1971, 60.3894, 68.2668

# 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.



60.4541, 62.4027, 68.9797



58.5122, 62.4027, 65.4609



59.5687, 62.4027, 71.3298

# Square

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



58.5122, 62.4027, 65.4609



58.4377, 62.4027, 70.2726



60.1188, 62.4027, 70.4931



60.1947, 62.4027, 65.6712



# Rectangle

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



58.5122, 62.4027, 65.4609



58.1305, 62.4027, 68.0912



60.1188, 62.4027, 70.4931



60.5092, 62.4027, 67.8009

# Sweetspot

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



58.5140, 62.4054, 65.4623



94.0811, 99.5477, 106.7258



58.8657, 61.8668, 65.3398



20.1475, 21.3121, 22.8666



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.



58.5140, 62.4054, 65.4623



92.1731, 98.6564, 102.4637



58.0255, 62.1467, 65.7512



12.8079, 13.7660, 14.1323



16.3910, 29.3188, 4.7952



1.0050, 1.6850, 0.2723



# Inverse Universe

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



58.1971, 60.3894, 68.2668



91.5420, 94.6405, 108.0504



58.6944, 60.6529, 67.9691



12.6989, 13.0722, 15.0975



12.4666, 5.6071, 37.6177

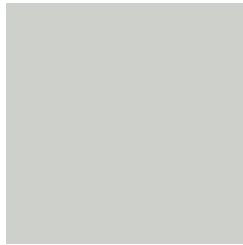


0.7853, 0.3590, 2.1075



# Previews

## White Background



This preview shows how the XYZ color 58.5122, 62.4027, 65.4609 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 58.5122, 62.4027, 65.4609 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

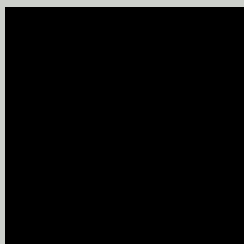
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

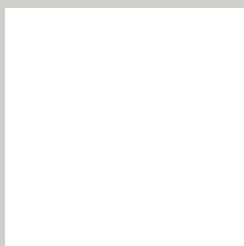
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.5122, 62.4027, 65.4609**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.5122, 62.4027, 65.4609.



This preview shows how white text looks on a background with the XYZ color 58.5122, 62.4027,



# 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

58.5122, 62.4027, 65.4609

### Protanopia

59.8834, 62.4039, 64.7661

### Deuteranopia

63.6686, 62.2103, 66.4097



## Tritanopia

60.8949, 62.2930, 77.2209

# Trichromacy



## Original Color

58.5122, 62.4027, 65.4609

## Protanomaly

59.2680, 62.4452, 64.8065

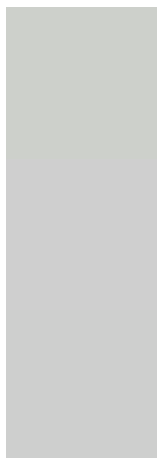
## Deuteranomaly

61.7702, 62.2871, 65.8937

## Tritanomaly

59.9410, 62.2631, 72.4771

# Monochromacy



## Original Color

58.5122, 62.4027, 65.4609

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

58.9070, 62.2037, 67.2943

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.5122, 62.4027, 65.4609 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, 208, 203) looks like.

```
.text, #text, p{  
    color:rgb(205, 208, 203)  
}
```

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, 208, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 208, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 58.5122, 62.4027, 65.4609 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, 208, 203) }
```



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

```
.border{ border-color:rgb(205, 208, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 208, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 208, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 208, 203);  
box-shadow:4px 4px 4px 4px rgb(205, 208,  
203) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.5122, 62.4027, 65.4609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 208, 203) }
```

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

```
.background{ background-color: rgb(205,  
208, 203) }
```

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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