

# Converting Colors

XYZ(58.3273, 61.6517, 64.2595)

Have a look what the booklet for  
XYZ(58.3273, 61.6517, 64.2595)  
contains.

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# **Color**

**XYZ(58.3460, 61.6251,  
64.0780)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CFCEC9
RGB	207, 206, 201
RGB Percent	81%, 81%, 79%
CMY	0.1882, 0.1921, 0.2118
CMYK	0.00, 0.00, 0.03, 0.19
HSL	50°, 6%, 80%
HSV	50°, 3%, 81%
XYZ	58.3460, 61.6251, 64.0780
YIQ	205.7290, 2.2010, -1.3430

# Conversions

## Conversions Part 2

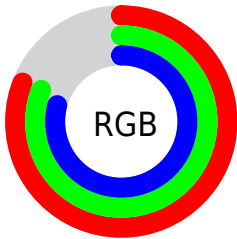
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 207, 201
Decimal	13618889
CIE Lab	82.71, -0.55, 2.59
CIE LCh	83, 2.651, 101.970
Yxy	61.6251, 0.3170, 0.3348
Android (android.graphics.Color)	4291808969 (0xFFCFCEC9)
YUV	205.7290, -2.3314, 1.1147
Hunter-Lab	78.5017, -4.7086, 6.5549

# Details

The XYZ color **58.3460, 61.6251, 64.0780** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.4702, 59.1625, 67.4753**, and the grayscale version is **58.5079, 61.5548, 67.0332**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **29.6316, 31.3354, 32.0903** is the 20% darker color. If you saturate the color by 10%, you get **55.2558, 59.0820, 51.8328**, and if you desaturate by 10%, it is **61.7860, 64.3410, 78.0603**.

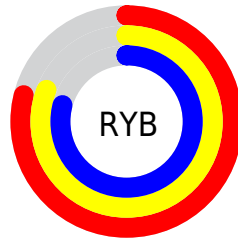
# Distribution



Red (81%)

Green (81%)

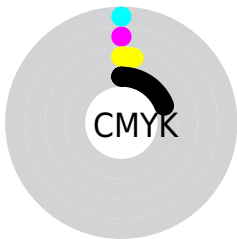
Blue (79%)



Red (79%)

Yellow (81%)

Blue (79%)

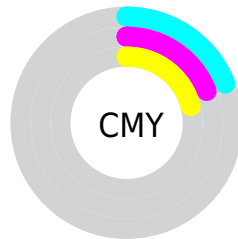


Cyan (0%)

Magenta (0%)

Yellow (3%)

Black (19%)



Cyan (19%)

Magenta (19%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3460, 61.6251, 64.0780 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 58.3460, 61.6251, 64.0780 by changing the saturation by 10% instead.



■ 58.3460, 61.6251,  
64.0780

■ 58.3460, 61.6251,  
64.0780

408.4071,  
430.5623, 457.6864

■ 42.3312, 44.7298,  
46.2673

101.5466,  
107.1835, 112.3238

■ 29.5530, 31.2447,  
32.1066

129.4632,  
136.6155, 143.5960

■ 19.6459, 20.7852,  
21.1774

162.0777,  
170.9951, 180.1923

■ 12.2447, 12.9671,  
13.0613

199.7555,  
210.7068, 222.5315

■ 6.9839, 7.4059,  
7.3395

242.8620,  
256.1350, 271.0319

■ 3.4983, 3.7172,  
3.5937

291.7625,

■ 1.4224, 1.5167,

307.6640, 326.1122

1.4052

346.8224,  
365.6783, 388.1909

■ 0.2721, 0.3004,  
0.1458

■ 0.0000, 0.0000,  
0.0000

■ 58.3460, 61.6251,  
64.0780

■ 58.3460, 61.6251,  
64.0780

■ 55.2558, 59.0820,  
51.8328

■ 61.7860, 64.3410,  
78.0603

■ 52.4970, 56.6983,  
41.2521

■ 65.5829, 67.2267,  
93.8405

■ 50.0574, 54.4708,  
32.2639

■ 68.4182, 69.7571,  
104.4662

■ 47.9218, 52.3933,  
24.7894

■ 69.3093, 71.5393,  
104.7632

■ 46.0740, 50.4591,  
18.7433

■ 70.2189, 73.3586,  
105.0664

■ 44.4960, 48.6608,  
14.0317

■ 71.1472, 75.2151,  
105.3758

■ 43.1677, 46.9902,  
10.5492

■ 72.0942, 77.1091,  
105.6915

■ 42.0660, 45.4379,  
8.1747

■ 73.0600, 79.0408,  
106.0135

■ 41.1631, 43.9925,  
6.7627

■ 74.0448, 81.0103,  
106.3417

# Harmonies

## Analogous

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



58.9124, 61.6251, 64.1612



58.3460, 61.6251, 64.0780



57.8436, 61.6251, 64.7946

# Triad

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



58.3460, 61.6251, 64.0780



57.7625, 61.6251, 69.2183



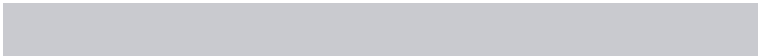
59.6202, 61.6251, 68.0746

# Complementary

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



58.3460, 61.6251, 64.0780



56.4702, 59.1625, 67.4753

# 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.



59.3081, 61.6251, 69.4579



58.3460, 61.6251, 64.0780



58.2345, 61.6251, 70.1256

# Square

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



58.3460, 61.6251, 64.0780



57.5081, 61.6251, 67.7518



58.8002, 61.6251, 70.2140



59.6505, 61.6251, 66.4510



# Rectangle

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



58.3460, 61.6251, 64.0780



57.6116, 61.6251, 65.6363



58.8002, 61.6251, 70.2140



59.5447, 61.6251, 68.5838

# Sweetspot

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



58.3477, 61.6278, 64.0793



94.5072, 99.5671, 106.7071



57.2802, 59.3038, 64.3058



20.2342, 21.3160, 22.8628



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

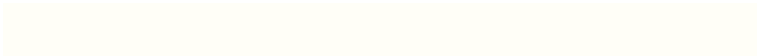


# Same Dimension

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



58.3477, 61.6278, 64.0793



93.4389, 98.7096, 102.4072



58.0330, 61.8225, 64.1335



13.0269, 13.7750, 14.1224



25.6443, 27.2217, 3.9027

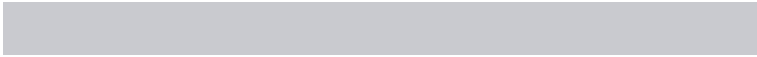


1.4793, 1.6130, 0.2334

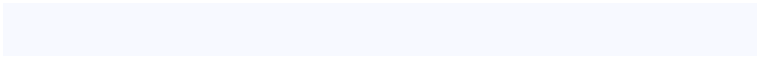


# Inverse Universe

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



56.4702, 59.1625, 67.4753



90.2896, 94.5743, 108.1036



56.7785, 58.9757, 67.4230



12.4828, 13.0605, 15.1067



7.5095, 3.6656, 37.5042

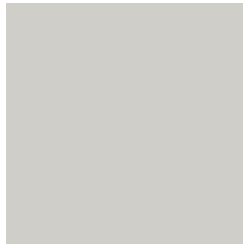


0.4703, 0.3057, 2.1138



# Previews

## White Background



This preview shows how the XYZ color 58.3460, 61.6251, 64.0780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

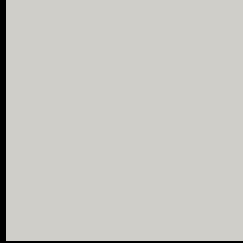
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.3460, 61.6251, 64.0780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

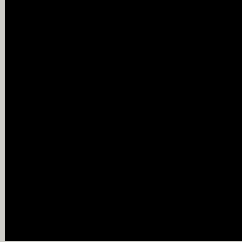
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

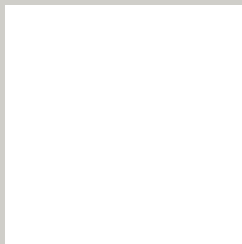
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 58.3460, 61.6251, 64.0780

## Background



This preview shows how black text looks on a background with the XYZ color 58.3460, 61.6251, 64.0780.



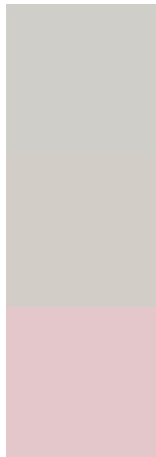
This preview shows how white text looks on a background with the XYZ color 58.3460, 61.6251,



# 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

58.3460, 61.6251, 64.0780

### Protanopia

59.1206, 61.6817, 63.4333

### Deuteranopia

62.7626, 61.4420, 64.4287



## Tritanopia

60.7205, 61.5280, 75.6936

# Trichromacy



## Original Color

58.3460, 61.6251, 64.0780

## Protanomaly

58.8350, 61.5344, 63.4200

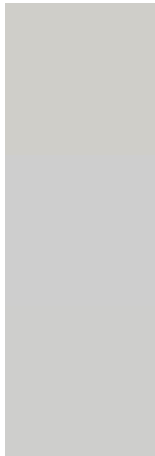
## Deuteranomaly

61.2964, 61.7210, 64.5598

## Tritanomaly

59.7710, 61.4945, 71.0067

# Monochromacy



## Original Color

58.3460, 61.6251, 64.0780

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

58.4240, 61.6241, 65.9421

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.3460, 61.6251, 64.0780 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, 206, 201) looks like.

```
.text, #text, p{  
    color:rgb(207, 206, 201)  
}
```

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, 206, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 206, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 58.3460, 61.6251, 64.0780 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, 206, 201) }
```



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

```
.border{ border-color:rgb(207, 206, 201) }
```

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

Here you see how a box with a 4 pixel rgb(207, 206, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 206, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 206, 201);  
box-shadow:4px 4px 4px 4px rgb(207, 206,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.3460, 61.6251, 64.0780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 206, 201) }
```

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

```
.background{ background-color: rgb(207,  
206, 201) }
```

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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