

# Converting Colors

XYZ(58.8748, 57.6565, 70.1850)

Have a look what the booklet for  
XYZ(58.8748, 57.6565, 70.1850)  
contains.

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# Color

**XYZ(58.9070, 57.6332,  
70.3069)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D6C2D4
RGB	214, 194, 212
RGB Percent	84%, 76%, 83%
CMY	0.1608, 0.2392, 0.1686
CMYK	0.00, 0.09, 0.01, 0.16
HSL	306°, 20%, 80%
HSV	306°, 9%, 84%
XYZ	58.9070, 57.6332, 70.3069
YIQ	202.0320, 6.1420, 9.8380

# Conversions

## Conversions Part 2

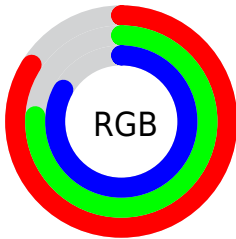
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 194, 212
Decimal	14074580
CIE <sub>Lab</sub>	80.53, 10.20, -6.43
CIE <sub>LCh</sub>	81, 12.057, 327.786
Yxy	57.6332, 0.3153, 0.3085
Android (android.graphics.Color)	4292264660 (0xFFD6C2D4)
YUV	202.0320, 4.9142, 10.4959
Hunter-Lab	75.9165, 5.6521, -1.7674

# Details

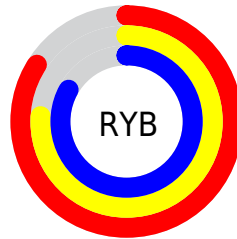
The XYZ color **58.9070, 57.6332, 70.3069** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.2607, 63.5496, 61.5287**, and the grayscale version is **56.1280, 59.0511, 64.3066**.

A 20% lighter version of the original color is **93.7872, 97.4744, 108.4791**, and **29.7620, 28.5614, 35.8426** is the 20% darker color. If you saturate the color by 10%, you get **54.2154, 48.6784, 67.4202**, and if you desaturate by 10%, it is **64.2914, 67.9661, 73.4435**.

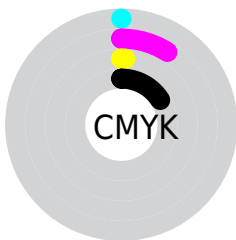
# Distribution



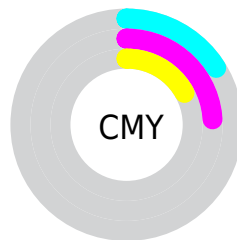
- Red (84%)
- Green (76%)
- Blue (83%)



- Red (84%)
- Yellow (76%)
- Blue (83%)



- Cyan (0%)
- Magenta (9%)
- Yellow (1%)
- Black (16%)



- Cyan (16%)
- Magenta (24%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.9070, 57.6332, 70.3069 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 58.9070, 57.6332, 70.3069 by changing the saturation by 10% instead.



■ 58.9070, 57.6332,  
70.3069

■ 58.9070, 57.6332,  
70.3069

410.4568,  
415.8178, 480.4451

■ 42.7843, 41.5138,  
51.2984

■ 102.3579,  
101.3885, 121.3315

■ 29.9097, 28.7208,  
36.0678

130.4168,  
129.7933, 154.1848

■ 19.9178, 18.8697,  
24.1964

163.1852,  
163.0619, 192.4900

■ 12.4432, 11.5762,  
15.2659

201.0285,  
201.5789, 236.6658

■ 7.1206, 6.4558,  
8.8575

244.3119,  
245.7286, 287.1306

■ 3.5847, 3.1242,  
4.5528

293.4008,

■ 1.4700, 1.1969,

295.8953, 344.3031

1.9333

348.6607,  
352.4636, 408.6017

■ 0.3053, 0.0592,  
0.5138

■ 0.0000, 0.0000,  
0.0000

■ 58.9070, 57.6332,  
70.3069

■ 58.9070, 57.6332,  
70.3069

■ 54.2154, 48.6784,  
67.4202

■ 64.2914, 67.9661,  
73.4435

■ 50.1823, 41.0358,  
64.7700

■ 70.3910, 79.7245,  
76.8356

■ 46.7782, 34.6455,  
62.3469

■ 76.2022, 90.9005,  
80.1493

■ 43.9692, 29.4398,  
60.1397

■ 76.4850, 91.0135,  
81.6381

41.7183, 25.3446,  
58.1359

76.7713, 91.1281,  
83.1460

39.9843, 22.2776,  
56.3218

77.0613, 91.2441,  
84.6732

38.7203, 20.1450,  
54.6815

77.3550, 91.3616,  
86.2196

37.8709, 18.8360,  
53.1966

77.6523, 91.4805,  
87.7853

37.3435, 18.1653,  
51.8362

77.9533, 91.6009,  
89.3705

# Harmonies

## Analogous

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



57.0286, 57.6332, 75.6074



58.9070, 57.6332, 70.3069



59.6760, 57.6332, 63.2810

# Triad

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



58.9070, 57.6332, 70.3069



54.9628, 57.6332, 50.0881



50.6730, 57.6332, 69.3273

# Complementary

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



58.9070, 57.6332, 70.3069



56.2607, 63.5496, 61.5287

# 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.



50.1568, 57.6332, 62.2275



58.9070, 57.6332, 70.3069



52.5886, 57.6332, 51.4445

# Square

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



58.9070, 57.6332, 70.3069



57.3564, 57.6332, 51.9073



50.8478, 57.6332, 55.7601



52.2792, 57.6332, 75.0125



# Rectangle

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



58.9070, 57.6332, 70.3069



59.4391, 57.6332, 58.6784



50.8478, 57.6332, 55.7601



50.3684, 57.6332, 67.0114

# Sweetspot

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



58.9087, 57.6357, 70.3081



92.5349, 95.1666, 107.4551



54.1969, 55.1773, 71.4130



19.6659, 20.1001, 22.9184



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.



58.9087, 57.6357, 70.3081



86.2969, 83.2114, 103.7701



57.6859, 57.1466, 63.8693



12.8970, 12.6103, 15.3978



22.5748, 10.9662, 31.3945



1.3774, 0.6678, 1.9770



# Inverse Universe

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



58.9087, 57.6357, 70.3081



86.2969, 83.2114, 103.7701



57.4373, 64.0202, 67.7242



12.8970, 12.6103, 15.3978



22.5748, 10.9662, 31.3945

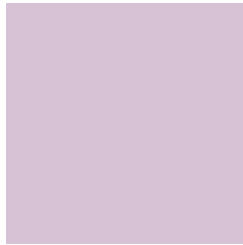


1.3774, 0.6678, 1.9770



# Previews

## White Background



This preview shows how the XYZ color 58.9070, 57.6332, 70.3069 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

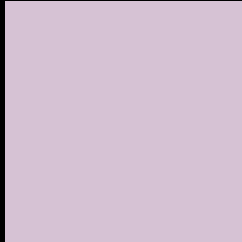
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.9070, 57.6332, 70.3069 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

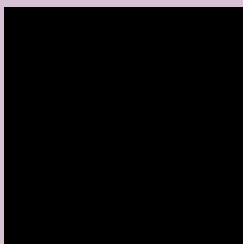
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

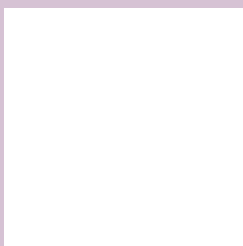
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.9070, 57.6332, 70.3069**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.9070, 57.6332, 70.3069.



This preview shows how white text looks on a background with the XYZ color 58.9070, 57.6332,



# 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

58.9070, 57.6332, 70.3069

### Protanopia

56.2424, 57.8953, 72.5006

### Deuteranopia

58.9070, 57.6332, 70.3069



## Tritanopia

58.6562, 57.5329, 68.9862

# Trichromacy



## Original Color

58.9070, 57.6332, 70.3069

## Protanomaly

57.0057, 57.6249, 71.7365

## Deuteranomaly

58.9070, 57.6332, 70.3069

## Tritanomaly

58.7812, 57.5829, 69.6445

# Monochromacy



## Original Color

58.9070, 57.6332, 70.3069

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

57.0176, 58.4249, 66.6645

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.9070, 57.6332, 70.3069 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(214, 194, 212) looks like.

```
.text, #text, p{  
    color:rgb(214, 194, 212)  
}
```

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(214, 194, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 194, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 58.9070, 57.6332, 70.3069 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(214, 194, 212) }
```



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

```
.border{ border-color:rgb(214, 194, 212) }
```

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

Here you see how a box with a 4 pixel rgb(214, 194, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 194, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 194, 212);  
box-shadow:4px 4px 4px 4px rgb(214, 194,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.9070, 57.6332, 70.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 194, 212) }
```

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

```
.background{ background-color: rgb(214,  
194, 212) }
```

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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