

# Converting Colors

XYZ(58.4446, 64.4596, 73.0462)

Have a look what the booklet for  
XYZ(58.4446, 64.4596, 73.0462)  
contains.

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# Color

**XYZ(58.4323, 64.4175,  
72.9724)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C2D6D6
RGB	194, 214, 214
RGB Percent	76%, 84%, 84%
CMY	0.2392, 0.1608, 0.1608
CMYK	0.09, 0.00, 0.00, 0.16
HSL	180°, 20%, 80%
HSV	180°, 9%, 84%
XYZ	58.4323, 64.4175, 72.9724
YIQ	208.0200, -11.9200, -4.2400

# Conversions

## Conversions Part 2

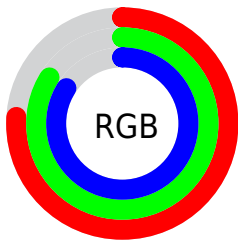
Format	Color
<b>RYB</b>	194, 204, 214
Decimal	12768982
CIELab	84.18, -6.67, -2.29
CIELCh	84, 7.056, 198.978
Yxy	64.4175, 0.2984, 0.3290
Android (android.graphics.Color)	4290959062 (0xFFC2D6D6)
YUV	208.0200, 2.9481, -12.2955
Hunter-Lab	80.2605, -10.5020, 2.2762

# Details

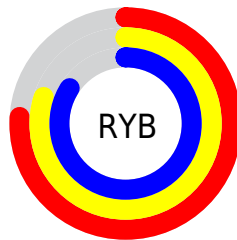
The XYZ color **58.4323, 64.4175, 72.9724** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.7633, 56.7765, 59.0092**, and the grayscale version is **59.9557, 63.0781, 68.6920**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **29.4714, 32.8749, 37.5931** is the 20% darker color. If you saturate the color by 10%, you get **53.3306, 61.7893, 72.7327**, and if you desaturate by 10%, it is **64.3286, 67.4589, 73.2520**.

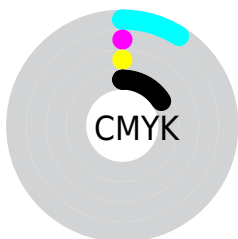
# Distribution



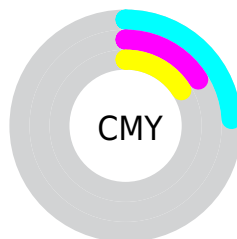
- Red (76%)
- Green (84%)
- Blue (84%)



- Red (76%)
- Yellow (80%)
- Blue (84%)



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4323, 64.4175, 72.9724 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 58.4323, 64.4175, 72.9724 by changing the saturation by 10% instead.



■ 58.4323, 64.4175,  
72.9724

■ 58.4323, 64.4175,  
72.9724

408.7228,  
440.6958, 489.9874

■ 42.4009, 46.9889,  
53.4617

■ 101.6715,  
111.2120, 125.1586

■ 29.6078, 33.0269,  
37.7812

129.6100,  
141.3467, 158.6712

■ 19.6877, 22.1470,  
25.5124

162.2482,  
176.4855, 197.6881

■ 12.2752, 13.9650,  
16.2368

199.9515,  
217.0129, 242.6280

■ 7.0049, 8.0963,  
9.5357

243.0853,  
263.3132, 293.9093

■ 3.5115, 4.1566,  
4.9906

292.0148,

■ 1.4297, 1.7616,

315.7709, 351.9506

2.1831

347.1056,  
374.7702, 417.1704

■ 0.2772, 0.4630,  
0.6646

■ 0.0000, 0.0000,  
0.0000

■ 58.4323, 64.4175,  
72.9724

■ 58.4323, 64.4175,  
72.9724

■ 53.3306, 61.7893,  
72.7327

■ 64.3286, 67.4589,  
73.2520

■ 48.9845, 59.5488,  
72.5269

■ 71.0457, 70.9216,  
73.5687

■ 45.3595, 57.6802,  
72.3550

■ 77.4269, 74.2112,  
73.8697

■ 42.4169, 56.1632,  
72.2149

■ 77.4273, 74.2113,  
73.8720

40.1137, 54.9759,  
72.1048

77.4278, 74.2115,  
73.8744

38.4027, 54.0939,  
72.0224

77.4282, 74.2117,  
73.8767

37.2297, 53.4893,  
71.9652

77.4287, 74.2119,  
73.8791

36.5307, 53.1290,  
71.9301

77.4291, 74.2121,  
73.8814

36.1990, 52.9580,  
71.9123

77.4296, 74.2122,  
73.8838

# Harmonies

## Analogous

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



58.3279, 64.4175, 68.5091



58.4323, 64.4175, 72.9724



59.2780, 64.4175, 76.8268

# Triad

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



58.4323, 64.4175, 72.9724



63.5193, 64.4175, 75.9341



61.8025, 64.4175, 62.0363

# Complementary

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



58.4323, 64.4175, 72.9724



56.7633, 56.7765, 59.0092

# 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.



63.2180, 64.4175, 63.8524



58.4323, 64.4175, 72.9724



64.2204, 64.4175, 71.7959

# Square

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



58.4323, 64.4175, 72.9724



62.2082, 64.4175, 78.5862



64.1092, 64.4175, 67.3813



60.2560, 64.4175, 62.3212



# Rectangle

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



58.4323, 64.4175, 72.9724



60.1565, 64.4175, 78.4732



64.1092, 64.4175, 67.3813



62.3099, 64.4175, 62.4181

# Sweetspot

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



58.4341, 64.4202, 72.9738



92.2911, 98.5778, 108.7698



56.1198, 63.5044, 60.3398



19.6003, 21.0204, 23.2740



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.



58.4341, 64.4202, 72.9738



85.4720, 95.0625, 108.4479



56.0598, 59.6708, 72.1844



12.7922, 14.1079, 15.9859



21.8683, 32.0027, 43.4638



1.3190, 1.9303, 2.6217

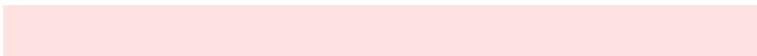


# Inverse Universe

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



56.7633, 56.7765, 59.0092



82.5543, 81.7144, 84.0616



58.9852, 61.2209, 59.7480



12.4234, 12.4209, 12.9038



16.7621, 8.6412, 0.7852

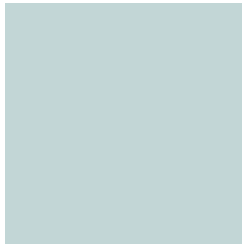


1.0110, 0.5212, 0.0475



# Previews

## White Background



This preview shows how the XYZ color 58.4323, 64.4175, 72.9724 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

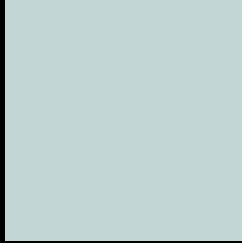
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.4323, 64.4175, 72.9724 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

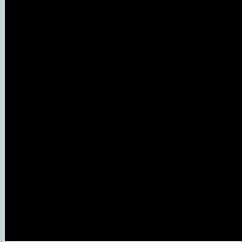
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

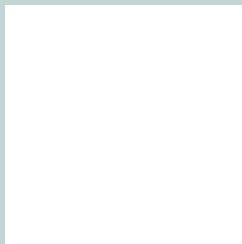
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 58.4323, 64.4175, 72.9724

## Background



This preview shows how black text looks on a background with the XYZ color 58.4323, 64.4175, 72.9724.



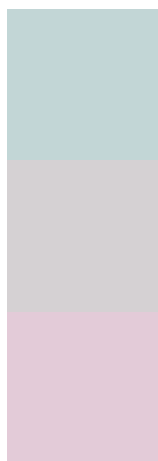
This preview shows how white text looks on a background with the XYZ color 58.4323, 64.4175,



# 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

58.4323, 64.4175, 72.9724

### Protanopia

61.9989, 64.4502, 70.8005

### Deuteranopia

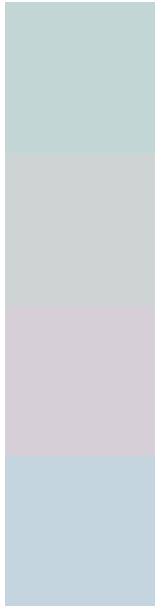
65.4292, 64.0006, 73.8706



## Tritanopia

60.7123, 64.6144, 83.4007

# Trichromacy



## Original Color

58.4323, 64.4175, 72.9724

## Protanomaly

60.6315, 64.4638, 71.5345

## Deuteranomaly

62.6029, 63.9790, 73.3396

## Tritanomaly

60.0137, 64.7061, 79.8475

# Monochromacy



## Original Color

58.4323, 64.4175, 72.9724

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

59.3081, 63.4428, 70.0926

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.4323, 64.4175, 72.9724 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(194, 214, 214)` looks like.

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

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

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

## Border

The CSS property to change the border of an element to XYZ 58.4323, 64.4175, 72.9724 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(194, 214, 214) }
```



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

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

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

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

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

# Background

The CSS property to change the background color of an element to XYZ 58.4323, 64.4175, 72.9724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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