

# Converting Colors

XYZ(57.7625, 64.0658, 71.4898)

Have a look what the booklet for  
XYZ(57.7625, 64.0658, 71.4898)  
contains.

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# Color

**XYZ(57.9226, 64.1841,  
71.6233)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1D6D4
RGB	193, 214, 212
RGB Percent	76%, 84%, 83%
CMY	0.2431, 0.1608, 0.1686
CMYK	0.10, 0.00, 0.01, 0.16
HSL	174°, 20%, 80%
HSV	174°, 10%, 84%
XYZ	57.9226, 64.1841, 71.6233
YIQ	207.4930, -11.8740, -5.0740

# Conversions

## Conversions Part 2

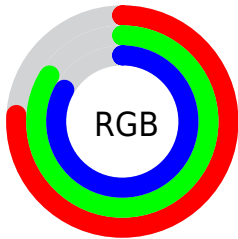
Format	Color
<b>RYB</b>	193, 204, 214
Decimal	12703444
CIELab	84.06, -7.39, -1.42
CIElCh	84, 7.525, 190.863
Yxy	64.1841, 0.2990, 0.3313
Android (android.graphics.Color)	4290893524 (0xFFC1D6D4)
YUV	207.4930, 2.2220, -12.7104
Hunter-Lab	80.1150, -11.1469, 3.0748

# Details

The XYZ color **57.9226, 64.1841, 71.6233** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.6542, 56.3780, 59.5288**, and the grayscale version is **59.6193, 62.7242, 68.3066**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **29.1314, 32.7196, 36.6784** is the 20% darker color. If you saturate the color by 10%, you get **52.6016, 61.4723, 70.0398**, and if you desaturate by 10%, it is **64.0400, 67.3095, 73.2637**.

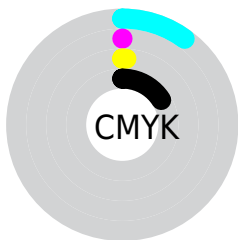
# Distribution



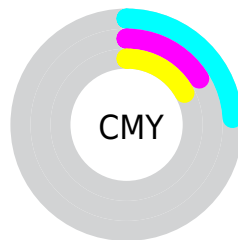
- Red (76%)
- Green (84%)
- Blue (83%)



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



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (16%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.9226, 64.1841, 71.6233 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 57.9226, 64.1841, 71.6233 by changing the saturation by 10% instead.



■ 57.9226, 64.1841,  
71.6233

■ 57.9226, 64.1841,  
71.6233

406.8560,  
439.8542, 485.1716

■ 41.9894, 46.7998,  
52.3661

■ 100.9338,  
110.8760, 123.2235

■ 29.2841, 32.8774,  
36.9127

128.7425,  
140.9524, 156.4036

■ 19.4412, 22.0326,  
24.8446

161.2404,  
176.0284, 195.0617

■ 12.0954, 13.8808,  
15.7434

198.7929,  
216.4882, 239.6164

■ 6.8813, 8.0378,  
9.1904

241.7654,  
262.7162, 290.4862

■ 3.4337, 4.1192,  
4.7670

290.5231,

■ 1.3870, 1.7404,

315.0970, 348.0896

2.0549

345.4316,  
374.0148, 412.8453

■ 0.2470, 0.4496,  
0.5887

■ 0.0000, 0.0000,  
0.0000

■ 57.9226, 64.1841,  
71.6233

■ 57.9226, 64.1841,  
71.6233

■ 52.6016, 61.4723,  
70.0398

■ 64.0400, 67.3095,  
73.2637

■ 48.0377, 59.1488,  
68.5074


■ 70.9799, 70.8569,  
74.9583


■ 44.1965, 57.1974,  
67.0257


■ 77.9590, 74.4241,  
76.6719


■ 41.0389, 55.5980,  
65.5928


■ 78.2281, 74.5317,  
78.0886

 38.5220, 54.3286,  
64.2066


 78.5004, 74.6406,  
79.5227


 36.5980, 53.3644,  
62.8648


 78.7761, 74.7509,  
80.9742


 35.2124, 52.6775,  
61.5649

 79.0550, 74.8625,  
82.4433

 34.3008, 52.2345,  
60.3036

 79.3373, 74.9754,  
83.9299

 33.7490, 51.9766,  
59.0758

 79.6230, 75.0896,  
85.4342

# Harmonies

## Analogous

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



58.0379, 64.1841, 66.9304



57.9226, 64.1841, 71.6233



58.6219, 64.1841, 76.0410

# Triad

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



57.9226, 64.1841, 71.6233



63.1181, 64.1841, 77.0322



62.0578, 64.1841, 61.5972

# Complementary

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



57.9226, 64.1841, 71.6233



56.6542, 56.3780, 59.5288

# 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.



63.4519, 64.1841, 64.0716



57.9226, 64.1841, 71.6233



64.0717, 64.1841, 72.9265

# Square

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



57.9226, 64.1841, 71.6233



61.6088, 64.1841, 79.2567



64.1950, 64.1841, 68.1762



60.4052, 64.1841, 61.2838



# Rectangle

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



57.9226, 64.1841, 71.6233



59.4635, 64.1841, 78.1814



64.1950, 64.1841, 68.1762



62.5730, 64.1841, 62.1984

# Sweetspot

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



57.9244, 64.1868, 71.6247



92.1741, 98.5309, 108.1534



56.2057, 63.5616, 59.7594



19.5686, 21.0077, 23.1068



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.



57.9244, 64.1868, 71.6247



84.2082, 94.4647, 105.9584



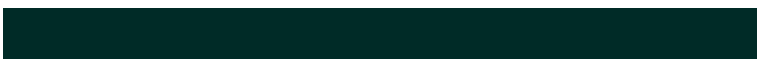
56.1070, 60.1450, 72.2735



12.7387, 14.0865, 15.7046



20.4136, 31.4208, 35.8035



1.2464, 1.9012, 2.2395



# Inverse Universe

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



56.6542, 56.3780, 59.5288



81.9124, 80.3502, 84.0957



58.3395, 60.1087, 58.9805



12.4709, 12.4399, 13.1540



16.8577, 8.6794, 1.2887

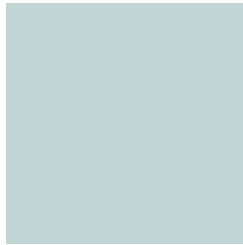


1.0337, 0.5303, 0.1666



# Previews

## White Background



This preview shows how the XYZ color 57.9226, 64.1841, 71.6233 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

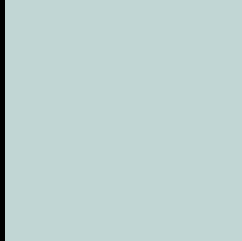
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.9226, 64.1841, 71.6233 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

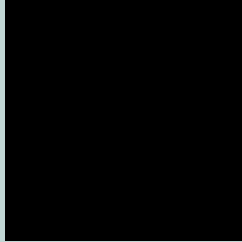
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

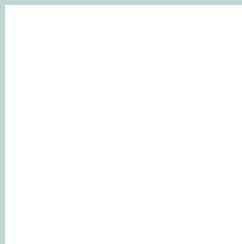
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 57.9226, 64.1841, 71.6233**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.9226, 64.1841, 71.6233.



This preview shows how white text looks on a background with the XYZ color 57.9226, 64.1841,

71.6233.

# 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

57.9226, 64.1841, 71.6233

### Protanopia

61.5051, 63.8613, 69.4064

### Deuteranopia

65.1721, 63.8978, 72.5169



## **Tritanopia**

60.0628, 63.9257, 82.5720

# Trichromacy



## Original Color

57.9226, 64.1841, 71.6233

## Protanomaly

60.1331, 63.8681, 70.1312

## Deuteranomaly

62.3474, 63.8768, 71.9942

## Tritanomaly

59.2340, 63.9630, 78.3314

# Monochromacy



## Original Color

57.9226, 64.1841, 71.6233

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

58.9123, 63.2532, 69.4257

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.9226, 64.1841, 71.6233 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(193, 214, 212)` looks like.

```
.text, #text, p{  
    color:rgb(193, 214, 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(193, 214, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 214, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 57.9226, 64.1841, 71.6233 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(193, 214, 212) }
```



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

```
.border{ border-color:rgb(193, 214, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 214, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 214, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 214, 212);  
box-shadow:4px 4px 4px 4px rgb(193, 214,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.9226, 64.1841, 71.6233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 214, 212) }
```

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

```
.background{ background-color: rgb(193,  
214, 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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