

# Converting Colors

XYZ(57.8305, 63.8490, 69.7088)

Have a look what the booklet for  
XYZ(57.8305, 63.8490, 69.7088)  
contains.

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# Color

**XYZ(57.8086, 63.7941,  
69.5882)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C3D5D1
RGB	195, 213, 209
RGB Percent	76%, 84%, 82%
CMY	0.2353, 0.1647, 0.1804
CMYK	0.08, 0.00, 0.02, 0.16
HSL	167°, 18%, 80%
HSV	167°, 8%, 84%
XYZ	57.8086, 63.7941, 69.5882
YIQ	207.1620, -9.4440, -5.0600

# Conversions

## Conversions Part 2

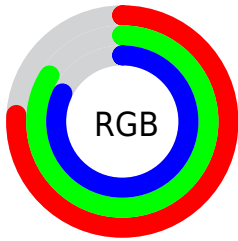
Format	Color
R <sub>Y</sub> B	195, 205, 213
Decimal	12834257
CIE Lab	83.86, -6.79, -0.11
CIE LCh	84, 6.794, 180.886
Yxy	63.7941, 0.3024, 0.3337
Android (android.graphics.Color)	4291024337 (0xFFC3D5D1)
YUV	207.1620, 0.9061, -10.6661
Hunter-Lab	79.8712, -10.5812, 4.2531

# Details

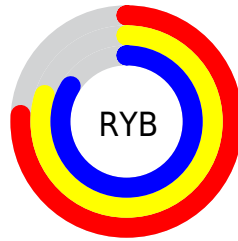
The XYZ color **57.8086, 63.7941, 69.5882** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.2669, 57.3016, 62.0780**, and the grayscale version is **59.4128, 62.5069, 68.0700**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **29.1278, 32.4830, 35.7450** is the 20% darker color. If you saturate the color by 10%, you get **52.1154, 60.9277, 66.3068**, and if you desaturate by 10%, it is **64.3079, 67.0776, 73.0010**.

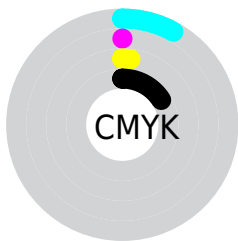
# Distribution



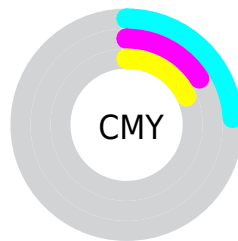
- Red (76%)
- Green (84%)
- Blue (82%)



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



- Cyan (8%)
- Magenta (0%)
- Yellow (2%)
- Black (16%)



- Cyan (24%)
- Magenta (16%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8086, 63.7941, 69.5882 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 57.8086, 63.7941, 69.5882 by changing the saturation by 10% instead.



■ 57.8086, 63.7941,  
69.5882

■ 57.8086, 63.7941,  
69.5882

406.4377,  
438.4457, 477.8528

■ 41.8975, 46.4839,  
50.7162

100.7687,  
110.3144, 120.2969

■ 29.2118, 32.6279,  
35.6076

128.5483,  
140.2932, 152.9707

■ 19.3862, 21.8415,  
23.8440

161.0148,  
175.2638, 191.0821

■ 12.0553, 13.7405,  
15.0068

198.5335,  
215.6104, 235.0497

■ 6.8538, 7.9404,  
8.6775

241.4698,  
261.7175, 285.2920

■ 3.4164, 4.0568,  
4.4375

290.1890,

■ 1.3776, 1.7054,

313.9695, 342.2276

1.8683

345.0565,  
372.7508, 406.2750

■ 0.2402, 0.4272,  
0.4724

■ 0.0000, 0.0000,  
0.0000

■ 57.8086, 63.7941,  
69.5882

■ 57.8086, 63.7941,  
69.5882

■ 52.1154, 60.9277,  
66.3068

■ 64.3079, 67.0776,  
73.0010

■ 47.1898, 58.4532,  
63.1503


■ 71.6393, 70.7862,  
76.5432


■ 42.9978, 56.3549,  
60.1176


■ 78.3833, 74.1901,  
80.1505


■ 39.5012, 54.6132,  
57.2060


■ 79.0319, 74.4495,  
83.5658


 36.6580, 53.2063,  
54.4130

 79.6984, 74.7161,  
87.0760


 34.4215, 52.1103,  
51.7353


 80.3832, 74.9900,  
90.6819


 32.7387, 51.2979,  
49.1698

 81.0862, 75.2712,  
94.3841

 31.5475, 50.7369,  
46.7126

 81.8077, 75.5598,  
98.1834

 30.7538, 50.3790,  
44.3585

 82.5478, 75.8559,  
102.0805

# Harmonies

## Analogous

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



58.1604, 63.7941, 65.5365



57.8086, 63.7941, 69.5882



58.2036, 63.7941, 73.7681

# Triad

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



57.8086, 63.7941, 69.5882



62.1202, 63.7941, 76.7594



62.0421, 63.7941, 62.5218

# Complementary

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



57.8086, 63.7941, 69.5882



57.2669, 57.3016, 62.0780

# 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.



63.1319, 63.7941, 65.3248



57.8086, 63.7941, 69.5882



63.1776, 63.7941, 73.5390

# Square

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



57.8086, 63.7941, 69.5882



60.6788, 63.7941, 78.0115



63.5508, 63.7941, 69.3338



60.5900, 63.7941, 61.5592



# Rectangle

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



57.8086, 63.7941, 69.5882



58.8410, 63.7941, 76.0384



63.5508, 63.7941, 69.3338



62.4638, 63.7941, 63.2742

# Sweetspot

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



57.8104, 63.7968, 69.5896



92.0186, 98.4688, 107.3348



57.2530, 63.7010, 60.9088



19.5265, 20.9909, 22.8852



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

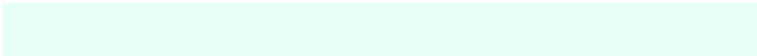


# Same Dimension

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



57.8104, 63.7968, 69.5896



85.3832, 95.1205, 103.7521



57.1227, 61.6180, 71.8368



12.6685, 14.0584, 15.3347



18.7584, 30.7587, 27.0870



1.1612, 1.8671, 1.7907



# Inverse Universe

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



57.2669, 57.3016, 62.0780



84.4179, 83.5837, 90.4105



57.9011, 59.3043, 60.0260



12.5352, 12.4656, 13.4926



17.1117, 8.7810, 2.6261

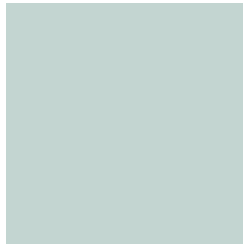


1.0638, 0.5423, 0.3254



# Previews

## White Background



This preview shows how the XYZ color 57.8086, 63.7941, 69.5882 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

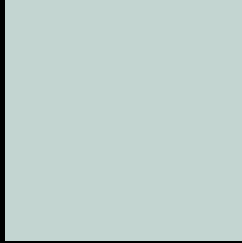
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.8086, 63.7941, 69.5882 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

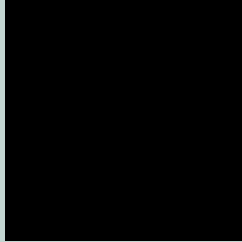
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 57.8086, 63.7941, 69.5882

## Background



This preview shows how black text looks on a background with the XYZ color 57.8086, 63.7941, 69.5882.



This preview shows how white text looks on a background with the XYZ color 57.8086, 63.7941,



# 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

57.8086, 63.7941, 69.5882

### Protanopia

61.1370, 63.7141, 67.4683

### Deuteranopia

64.8733, 63.4382, 70.4536



## Tritanopia

60.2004, 63.6450, 81.7849

# Trichromacy



## Original Color

57.8086, 63.7941, 69.5882

## Protanomaly

59.7627, 63.7200, 68.1808

## Deuteranomaly

62.0231, 63.3947, 69.9402

## Tritanomaly

59.2385, 63.6262, 76.8690

# Monochromacy



## Original Color

57.8086, 63.7941, 69.5882

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

58.8142, 62.8515, 68.7062

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.8086, 63.7941, 69.5882 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(195, 213, 209)` looks like.

```
.text, #text, p{  
    color:rgb(195, 213, 209)  
}
```

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(195, 213, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 213, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 57.8086, 63.7941, 69.5882 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(195, 213, 209) }
```



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

```
.border{ border-color:rgb(195, 213, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 213, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 213, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 213, 209);  
box-shadow:4px 4px 4px 4px rgb(195, 213,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.8086, 63.7941, 69.5882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 213, 209) }
```

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

```
.background{ background-color: rgb(195,  
213, 209) }
```

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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