

# Converting Colors

XYZ(57.8376, 66.8141, 70.0740)

Have a look what the booklet for  
XYZ(57.8376, 66.8141, 70.0740)  
contains.

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# Color

**XYZ(57.8586, 66.8811,  
70.1815)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBDDD1
RGB	187, 221, 209
RGB Percent	73%, 87%, 82%
CMY	0.2667, 0.1333, 0.1804
CMYK	0.15, 0.00, 0.05, 0.13
HSL	159°, 33%, 80%
HSV	159°, 15%, 87%
XYZ	57.8586, 66.8811, 70.1815
YIQ	209.4660, -16.4120, -10.9400

# Conversions

## Conversions Part 2

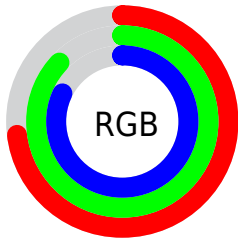
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 208, 221
Decimal	12312017
CIELab	85.44, -13.50, 2.14
CIELCh	85, 13.673, 170.995
Yxy	66.8811, 0.2968, 0.3431
Android (android.graphics.Color)	4290502097 (0xFFBBDDD1)
YUV	209.4660, -0.2297, -19.7027
Hunter-Lab	81.7809, -16.8307, 6.3660

# Details

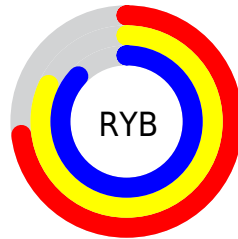
The XYZ color **57.8586, 66.8811, 70.1815** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.9003, 55.0381, 61.6075**, and the grayscale version is **60.9194, 64.0919, 69.7961**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **29.2255, 34.6255, 36.1534** is the 20% darker color. If you saturate the color by 10%, you get **51.9204, 63.9306, 64.9852**, and if you desaturate by 10%, it is **64.6799, 70.2851, 75.6688**.

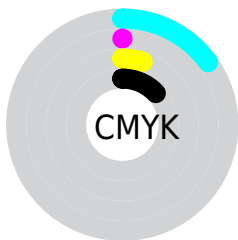
# Distribution



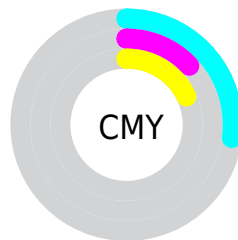
- Red (73%)
- Green (87%)
- Blue (82%)



- Red (73%)
- Yellow (82%)
- Blue (87%)



- Cyan (15%)
- Magenta (0%)
- Yellow (5%)
- Black (13%)




- Cyan (27%)
- Magenta (13%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8586, 66.8811, 70.1815 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 57.8586, 66.8811, 70.1815 by changing the saturation by 10% instead.





 57.8586, 66.8811,  
70.1815

 57.8586, 66.8811,  
70.1815


406.6212,  
449.5214, 479.9934

 41.9378, 48.9880,  
51.1968


 100.8411,  
114.7500, 121.1511

 29.2435, 34.6100,  
35.9874


128.6335,  
145.4946, 153.9731

 19.4103, 23.3626,  
24.1349


161.1137,  
181.2919, 192.2445

 12.0729, 14.8615,  
15.2206

198.6473,  
222.5262, 236.3841

 6.8659, 8.7222,  
8.8260

241.5995,  
269.5819, 286.8102

 3.4240, 4.5604,  
4.5326

290.3356,

 1.3817, 1.9917,

322.8434, 343.9414

1.9218

345.2211,  
382.6951, 408.1963

■ 0.2431, 0.6027,  
0.5066

■ 0.0000, 0.0000,  
0.0000

■ 57.8586, 66.8811,  
70.1815

■ 57.8586, 66.8811,  
70.1815

■ 51.9204, 63.9306,  
64.9852

■ 64.6799, 70.2851,  
75.6688

■ 46.8211, 61.4053,  
60.0703

■ 72.4149, 74.1527,  
81.4479

■ 42.5211, 59.2867,  
55.4326

■ 81.0994, 78.5043,  
87.5251

■ 38.9751, 57.5517,  
51.0665

■ 82.8567, 79.2789,  
93.5351

■ 36.1332, 56.1744,  
46.9657

■ 84.0423, 79.7532,  
99.7786

■ 33.9393, 55.1262,  
43.1240

■ 85.1477, 80.1953,  
105.5992

■ 32.3280, 54.3734,  
39.5343

■ 31.2197, 53.8749,  
36.1888

■ 30.8148, 53.6982,  
34.7233

# Harmonies

## Analogous

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



59.0461, 66.8811, 62.5931



57.8586, 66.8811, 70.1815



58.1619, 66.8811, 79.1142

# Triad

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



57.8586, 66.8811, 70.1815



65.7291, 66.8811, 89.9592



67.3962, 66.8811, 60.3403

# Complementary

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



57.8586, 66.8811, 70.1815



57.9003, 55.0381, 61.6075

# 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.



69.3001, 66.8811, 66.8729



57.8586, 66.8811, 70.1815



68.3161, 66.8811, 84.1089

# Square

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



57.8586, 66.8811, 70.1815



62.6396, 66.8811, 91.0264



69.6422, 66.8811, 75.5282



64.5065, 66.8811, 57.2228



# Rectangle

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



57.8586, 66.8811, 70.1815



59.1729, 66.8811, 84.6101



69.6422, 66.8811, 75.5282



68.1765, 66.8811, 62.1833

# Sweetspot

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



57.8605, 66.8839, 70.1830



89.7976, 97.3750, 104.9159



58.5055, 67.5097, 56.9619



19.0679, 20.7661, 22.3382



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

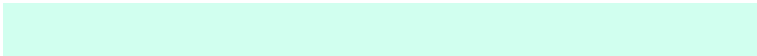


# Same Dimension

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



57.8605, 66.8839, 70.1830



77.6328, 91.3099, 95.0373



58.2224, 65.1391, 77.9143



13.2395, 14.7474, 15.7243



17.9556, 31.2149, 20.4634



1.2036, 2.0384, 1.5381



# Inverse Universe

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



57.9003, 55.0381, 61.6075



77.6970, 72.3628, 81.3232



57.5379, 56.4565, 54.8794



13.2449, 13.1271, 14.5510



18.1702, 9.2691, 5.2761

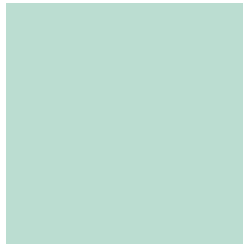


1.2173, 0.6165, 0.5530



# Previews

## White Background



This preview shows how the XYZ color 57.8586, 66.8811, 70.1815 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

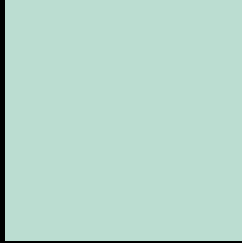
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.8586, 66.8811, 70.1815 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

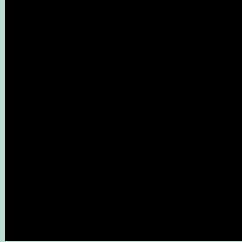
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

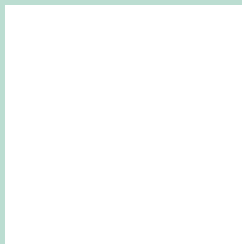
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 57.8586, 66.8811, 70.1815**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.8586, 66.8811, 70.1815.



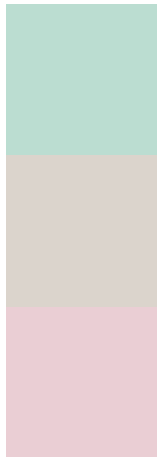
This preview shows how white text looks on a background with the XYZ color 57.8586, 66.8811,



# 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

57.8586, 66.8811, 70.1815

### Protanopia

63.6560, 66.5067, 66.6088

### Deuteranopia

67.8867, 66.3885, 71.5236



## Tritanopia

61.4024, 66.7727, 87.4941

# Trichromacy



## Original Color

57.8586, 66.8811, 70.1815

## Protanomaly

61.1731, 66.3225, 67.9699

## Deuteranomaly

63.6674, 66.0434, 71.0200

## Tritanomaly

59.8972, 66.5262, 80.9181

# Monochromacy



## Original Color

57.8586, 66.8811, 70.1815

## Achromatopsia

60.6036, 63.7597, 69.4343

## Achromatomaly

59.3903, 64.6095, 69.6623

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.8586, 66.8811, 70.1815 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(187, 221, 209)` looks like.

```
.text, #text, p{  
    color:rgb(187, 221, 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(187, 221, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 221, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 57.8586, 66.8811, 70.1815 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".

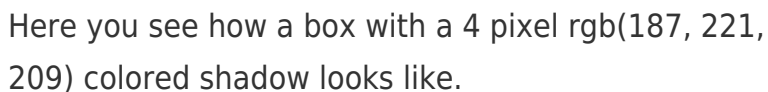
```
.border, #border, table{ border:4px solid rgb(187, 221, 209) }
```



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

```
.border{ border-color:rgb(187, 221, 209) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 221, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 221, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 221, 209); box-shadow:4px 4px 4px 4px rgb(187, 221, 209) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.8586, 66.8811, 70.1815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 221, 209) }
```

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

```
.background{ background-color: rgb(187,  
221, 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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