

# Converting Colors

XYZ(58.5308, 67.4861, 73.6936)

Have a look what the booklet for  
XYZ(58.5308, 67.4861, 73.6936)  
contains.

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# **Color**

**XYZ(58.5086, 67.5367,  
73.5705)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | BADED6                       |
| RGB         | 186, 222, 214                |
| RGB Percent | 73%, 87%, 84%                |
| CMY         | 0.2706, 0.1294, 0.1608       |
| CMYK        | 0.16, 0.00, 0.04, 0.13       |
| HSL         | 167°, 35%, 80%               |
| HSV         | 167°, 16%, 87%               |
| XYZ         | 58.5086, 67.5367, 73.5705    |
| YIQ         | 210.3240, -18.8880, -10.1200 |

# Conversions

## Conversions Part 2

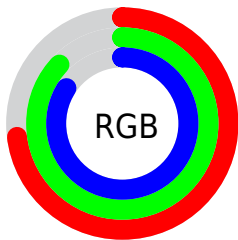
| Format                              | Color                         |
|-------------------------------------|-------------------------------|
| R <sub>YB</sub>                     | 186, 206, 222                 |
| Decimal                             | 12246742                      |
| CIE Lab                             | 85.77, -13.35, -0.03          |
| CIE LCh                             | 86, 13.348, 180.118           |
| Yxy                                 | 67.5367, 0.2931,<br>0.3383    |
| Android<br>(android.graphics.Color) | 4290436822<br>(0xFFBADED6)    |
| YUV                                 | 210.3240, 1.8123,<br>-21.3321 |
| Hunter-Lab                          | 82.1807, -16.7331,<br>4.4484  |

# Details

The XYZ color **58.5086, 67.5367, 73.5705** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.4231, 54.5443, 58.5435**, and the grayscale version is **61.4703, 64.6716, 70.4274**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **29.5924, 35.0462, 38.0058** is the 20% darker color. If you saturate the color by 10%, you get **52.9083, 64.7232, 70.0691**, and if you desaturate by 10%, it is **64.9698, 70.7954, 77.2147**.

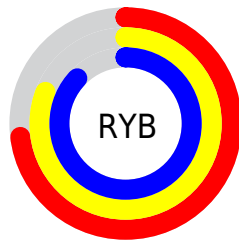
# Distribution



Red (73%)

Green (87%)

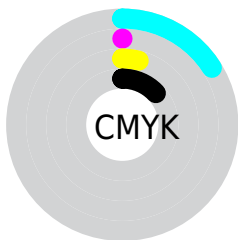
Blue (84%)



Red (73%)

Yellow (81%)

Blue (87%)

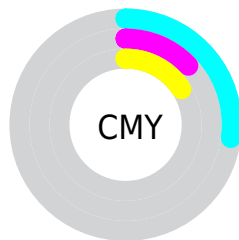


Cyan (16%)

Magenta (0%)

Yellow (4%)

Black (13%)



Cyan (27%)

Magenta (13%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5086, 67.5367, 73.5705 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 58.5086, 67.5367, 73.5705 by changing the saturation by 10% instead.



■ 58.5086, 67.5367,  
73.5705

■ 58.5086, 67.5367,  
73.5705

409.0018,  
451.8528, 492.1134

■ 42.4625, 49.5209,  
53.9479

■ 101.7818,  
115.6891, 126.0152

■ 29.6563, 35.0329,  
38.1671

129.7397,  
146.5945, 159.6744

■ 19.7246, 23.6882,  
25.8096

162.3989,  
182.5653, 198.8495

■ 12.3021, 15.1025,  
16.4568

200.1247,  
223.9857, 243.9591

■ 7.0235, 8.8913,  
9.6901

243.2826,  
271.2403, 295.4218

■ 3.5232, 4.6704,  
5.0911

292.2378,

■ 1.4361, 2.0552,

324.7134, 353.6560

2.2411

347.3558,  
384.7895, 419.0804

■ 0.2817, 0.6392,  
0.6979

■ 0.0000, 0.0000,  
0.0000

■ 58.5086, 67.5367,  
73.5705

■ 58.5086, 67.5367,  
73.5705

■ 52.9083, 64.7232,  
70.0691

■ 64.9698, 70.7954,  
77.2147

■ 48.1244, 62.3265,  
66.7034


■ 72.3223, 74.5096,  
80.9997


■ 44.1170, 60.3280,  
63.4719


■ 80.6021, 78.6997,  
84.9295


■ 40.8407, 58.7042,  
60.3717


■ 82.1767, 79.4307,  
88.6478


 38.2450, 57.4292,  
57.3996

 82.8947, 79.7179,  
92.4290


 36.2731, 56.4736,  
54.5518


 83.6327, 80.0131,  
96.3150


 34.8586, 55.8033,  
51.8244

 84.3907, 80.3163,  
100.3067

 33.9186, 55.3756,  
49.2126

 85.1689, 80.6276,  
104.4048

 33.6320, 55.2488,  
48.2519

 85.4125, 80.7250,  
105.6875

# Harmonies

## Analogous

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



59.2440, 67.5367, 65.4882



58.5086, 67.5367, 73.5705



59.2554, 67.5367, 82.2819

# Triad

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



58.5086, 67.5367, 73.5705



67.1769, 67.5367, 89.0277



67.1554, 67.5367, 59.9244

# Complementary

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



58.5086, 67.5367, 73.5705



57.4231, 54.5443, 58.5435

# 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.



69.3946, 67.5367, 65.4328



58.5086, 67.5367, 73.5705



69.4073, 67.5367, 82.2175

# Square

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



58.5086, 67.5367, 73.5705



64.2037, 67.5367, 91.6260



70.2312, 67.5367, 73.5015



64.1796, 67.5367, 57.9990



# Rectangle

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



58.5086, 67.5367, 73.5705



60.5073, 67.5367, 87.1796



70.2312, 67.5367, 73.5015



68.0226, 67.5367, 61.3958

# Sweetspot

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



58.5105, 67.5395, 73.5720



90.0608, 97.4803, 106.3021



57.3373, 67.3130, 56.4262



19.1320, 20.7918, 22.6757



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

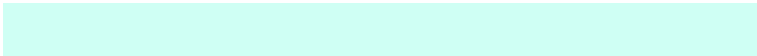


# Same Dimension

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



58.5105, 67.5395, 73.5720



77.7307, 91.2663, 99.2905



57.0802, 63.0027, 78.2628



13.9793, 15.5175, 16.9264



20.0193, 32.8326, 28.8882



1.4202, 2.2888, 2.1737



# Inverse Universe

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



57.4231, 54.5443, 58.5435



76.0100, 70.6943, 75.5033



58.6392, 58.3765, 54.6327



13.8314, 13.7502, 14.8821



18.2613, 9.3715, 2.7756

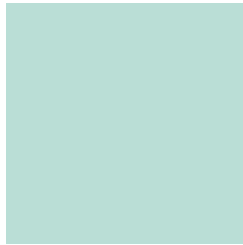


1.2993, 0.6630, 0.3692



# Previews

## White Background



This preview shows how the XYZ color 58.5086, 67.5367, 73.5705 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 58.5086, 67.5367, 73.5705 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

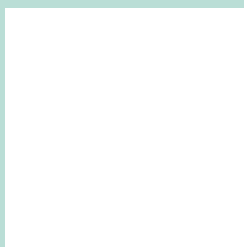
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.5086, 67.5367, 73.5705**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.5086, 67.5367, 73.5705.



This preview shows how white text looks on a background with the XYZ color 58.5086, 67.5367,



# 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

58.5086, 67.5367, 73.5705

### Protanopia

64.5163, 67.2520, 69.9022

### Deuteranopia

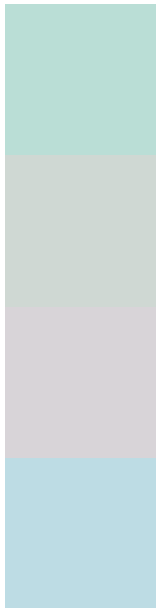
68.4415, 66.9590, 74.9628



## Tritanopia

61.7070, 67.6663, 89.1655

# Trichromacy



## Original Color

58.5086, 67.5367, 73.5705

## Protanomaly

62.0459, 67.0803, 71.3056

## Deuteranomaly

64.2571, 66.6438, 74.4426

## Tritanomaly

60.5831, 67.6067, 83.2551

# Monochromacy



## Original Color

58.5086, 67.5367, 73.5705

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

59.8918, 65.2138, 71.0589

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.5086, 67.5367, 73.5705 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(186, 222, 214)` looks like.

```
.text, #text, p{  
    color:rgb(186, 222, 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(186, 222, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 222, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 58.5086, 67.5367, 73.5705 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(186, 222, 214) }
```



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

```
.border{ border-color:rgb(186, 222, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 222, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 222, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 222, 214);  
box-shadow:4px 4px 4px 4px rgb(186, 222,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.5086, 67.5367, 73.5705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 222, 214) }
```

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

```
.background{ background-color: rgb(186,  
222, 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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