

# Converting Colors

XYZ(58.8836, 68.1442, 72.9845)

Have a look what the booklet for  
XYZ(58.8836, 68.1442, 72.9845)  
contains.

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# Color

**XYZ(58.8914, 68.1442,  
73.0000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<code>BBDFD5</code>
RGB	<code>187, 223, 213</code>
RGB Percent	<code>73%, 87%, 84%</code>
CMY	<code>0.2667, 0.1255, 0.1647</code>
CMYK	<code>0.16, 0.00, 0.04, 0.13</code>
HSL	<code>163°, 36%, 80%</code>
HSV	<code>163°, 16%, 87%</code>
XYZ	<code>58.8914, 68.1442, 73.0000</code>
YIQ	<code>211.0960, -18.2460, -10.7420</code>

# Conversions

## Conversions Part 2

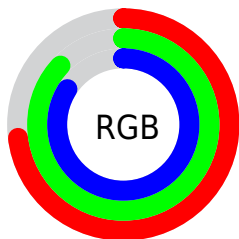
Format	Color
R <sub>Y</sub> B	187, 208, 223
Decimal	12312533
CIE Lab	86.08, -13.73, 0.95
CIE LCh	86, 13.767, 176.035
Yxy	68.1442, 0.2944, 0.3407
Android (android.graphics.Color)	4290502613 (0xFFBBDFD5)
YUV	211.0960, 0.9387, -21.1322
Hunter-Lab	82.5495, -17.1185, 5.3534

# Details

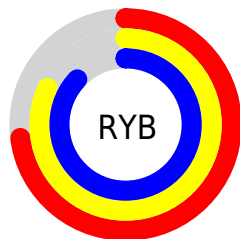
The XYZ color **58.8914, 68.1442, 73.0000** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.2822, 55.2616, 60.4210**, and the grayscale version is **61.9845, 65.2125, 71.0164**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **29.8471, 35.4604, 37.6192** is the 20% darker color. If you saturate the color by 10%, you get **53.0826, 65.2407, 68.7019**, and if you desaturate by 10%, it is **65.5813, 71.5022, 77.4991**.

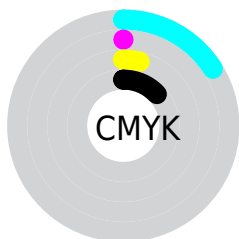
# Distribution



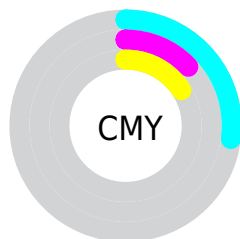
- Red (73%)
- Green (87%)
- Blue (84%)



- Red (73%)
- Yellow (82%)
- 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 58.8914, 68.1442, 73.0000 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 58.8914, 68.1442, 73.0000 by changing the saturation by 10% instead.





 58.8914, 68.1442,  
73.0000

 58.8914, 68.1442,  
73.0000


410.3999,  
454.0068, 490.0856

 42.7717, 50.0151,  
53.4841


 102.3353,  
116.5584, 125.1981

 29.8998, 35.4254,  
37.7990


130.3903,  
147.6123, 158.7175

 19.9102, 23.9907,  
25.5261


163.1545,  
183.7431, 197.7417

 12.4377, 15.3267,  
16.2469

200.9931,  
225.3354, 242.6894

 7.1168, 9.0490,  
9.5428

244.2716,  
272.7736, 293.9791

 3.5822, 4.7732,  
4.9953

293.3553,

 1.4686, 2.1148,

326.4419, 352.0294

2.1858

348.6096,  
386.7248, 417.2587

■ 0.3043, 0.6729,  
0.6662

■ 0.0000, 0.0000,  
0.0000

■ 58.8914, 68.1442,  
73.0000

■ 58.8914, 68.1442,  
73.0000

■ 53.0826, 65.2407,  
68.7019

■ 65.5813, 71.5022,  
77.4991

■ 48.1099, 62.7628,  
64.5966


■ 73.1832, 75.3250,  
82.1980

■ 43.9327, 60.6917,  
60.6820


■ 81.7338, 79.6333,  
87.1016


■ 40.5049, 59.0036,  
56.9540


■ 83.0300, 80.1983,  
91.8275


 37.7755, 57.6722,  
53.4085


 83.9553, 80.5684,  
96.6996


 35.6868, 56.6678,  
50.0410

 84.9121, 80.9511,  
101.7383

 34.1716, 55.9558,  
46.8463

 85.6789, 81.2578,  
105.7763

 33.1463, 55.4932,  
43.8186

 32.8259, 55.3526,  
42.6929

# Harmonies

## Analogous

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



59.8565, 68.1442, 64.8889



58.8914, 68.1442, 73.0000



59.4586, 68.1442, 82.1050

# Triad

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



58.8914, 68.1442, 73.0000



67.4742, 68.1442, 90.9672



68.2253, 68.1442, 60.6735

# Complementary

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



58.8914, 68.1442, 73.0000



58.2822, 55.2616, 60.4210

# 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.



70.3866, 68.1442, 66.8147



58.8914, 68.1442, 73.0000



69.9432, 68.1442, 84.3562

# Square

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



58.8914, 68.1442, 73.0000



64.3495, 68.1442, 92.9577



71.0252, 68.1442, 75.4079



65.1903, 68.1442, 58.1480



# Rectangle

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



58.8914, 68.1442, 73.0000



60.6395, 68.1442, 87.4482



71.0252, 68.1442, 75.4079



69.0819, 68.1442, 62.3578

# Sweetspot

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



58.8933, 68.1470, 73.0015



89.9486, 97.4354, 105.7115



58.4378, 68.2635, 57.1109



19.1047, 20.7808, 22.5319



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

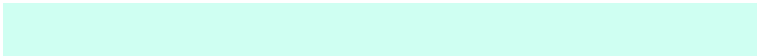


# Same Dimension

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



58.8933, 68.1470, 73.0015



77.3243, 91.1038, 97.1509



58.1663, 64.5979, 79.2183



13.9456, 15.5040, 16.7489



19.3505, 32.5650, 25.3663



1.3787, 2.2722, 1.9551



# Inverse Universe

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



58.2822, 55.2616, 60.4210



76.3637, 70.8358, 77.3660



58.8736, 58.2184, 55.1491



13.8630, 13.7628, 15.0485



18.4452, 9.4451, 3.7441

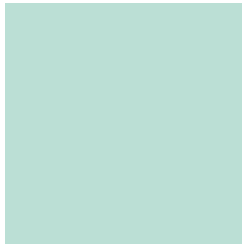


1.3159, 0.6696, 0.4565



# Previews

## White Background



This preview shows how the XYZ color 58.8914, 68.1442, 73.0000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

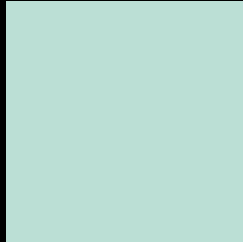
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.8914, 68.1442, 73.0000 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

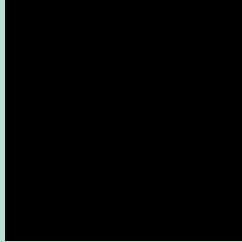
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

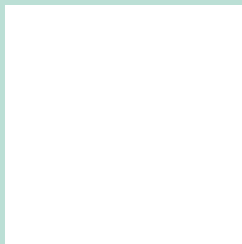
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.8914, 68.1442, 73.0000**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.8914, 68.1442, 73.0000.



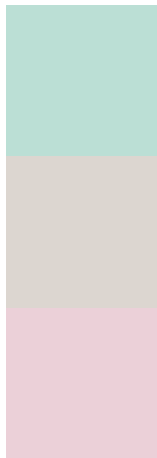
This preview shows how white text looks on a background with the XYZ color 58.8914, 68.1442,

73.0000.

# 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

58.8914, 68.1442, 73.0000

### Protanopia

64.9469, 67.8628, 69.3503

### Deuteranopia

69.2115, 67.7318, 74.3914



## Tritanopia

62.1034, 67.8538, 89.9447

# Trichromacy



**Original Color**

58.8914, 68.1442, 73.0000

**Protanomaly**

62.4581, 67.6887, 70.7461

**Deuteranomaly**

64.9734, 67.4002, 73.8751

**Tritanomaly**

60.8320, 67.7350, 83.2668

# Monochromacy



**Original Color**

58.8914, 68.1442, 73.0000

**Achromatopsia**

61.9161, 65.1406, 70.9381

**Achromatomaly**

60.5412, 65.9109, 71.8186

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.8914, 68.1442, 73.0000 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, 223, 213)` looks like.

```
.text, #text, p{  
    color:rgb(187, 223, 213)  
}
```

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, 223, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 223, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 58.8914, 68.1442, 73.0000 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, 223, 213) }
```



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

```
.border{ border-color:rgb(187, 223, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 223, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 223, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 223, 213);  
box-shadow:4px 4px 4px 4px rgb(187, 223,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.8914, 68.1442, 73.0000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 223, 213) }
```

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

```
.background{ background-color: rgb(187,  
223, 213) }
```

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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