

Converting Colors

XYZ(68.6017, 75.6560, 88.8293)

Have a look what the booklet for
XYZ(68.6017, 75.6560, 88.8293)
contains.

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Color

**XYZ(68.6017, 75.6560,
88.8293)**

Conversions

Conversions Part 1

Format	Color
Hex	CEE6EA
RGB	206, 230, 234
RGB Percent	81%, 90%, 92%
CMY	0.1921, 0.0980, 0.0823
CMYK	0.12, 0.02, 0.00, 0.08
HSL	189°, 40%, 86%
HSV	189°, 12%, 92%
XYZ	68.6017, 75.6560, 88.8293
YIQ	223.2800, -15.5880, -3.8440

Conversions

Conversions Part 2

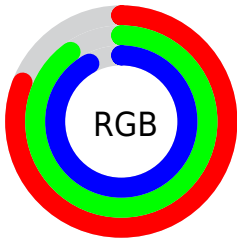
Format	Color
R _Y B	206, 219, 234
Decimal	13559530
CIE Lab	89.70, -7.09, -4.64
CIE LCh	90, 8.477, 213.183
Yxy	75.6560, 0.2943, 0.3246
Android (android.graphics.Color)	4291749610 (0xFFCEE6EA)
YUV	223.2800, 5.2850, -15.1546
Hunter-Lab	86.9805, -11.4324, 0.3361

Details

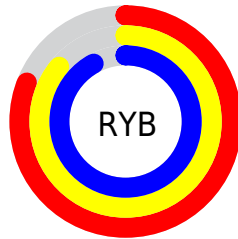
The XYZ color **68.6017, 75.6560, 88.8293** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.1193, 68.0415, 67.9368**, and the grayscale version is **70.3116, 73.9733, 80.5569**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3147, 40.5497, 48.0324** is the 20% darker color. If you saturate the color by 10%, you get **61.6629, 70.7142, 88.2424**, and if you desaturate by 10%, it is **76.5298, 81.1383, 89.4708**.

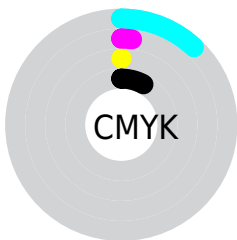
Distribution



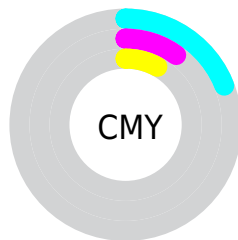
- Red (81%)
- Green (90%)
- Blue (92%)



- Red (81%)
- Yellow (86%)
- Blue (92%)



- Cyan (12%)
- Magenta (2%)
- Yellow (0%)
- Black (8%)



- Cyan (19%)
- Magenta (10%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6017, 75.6560, 88.8293 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 68.6017, 75.6560, 88.8293 by changing the saturation by 10% instead.

■ 68.6017, 75.6560,
88.8293

■ 68.6017, 75.6560,
88.8293

444.9683,
480.1693, 544.6867

■ 50.6629, 56.1505,
66.4419

116.2497,
127.2405, 147.6324

■ 36.1603, 40.3236,
48.1724

146.6896,
160.0883, 184.8852

■ 24.7287, 27.7909,
33.6025

182.0271,
198.1523, 227.9302

■ 16.0027, 18.1681,
22.3135

222.6278,
241.8169, 277.1859

■ 9.6169, 11.0708,
13.8869

268.8569,
291.4665, 333.0708

■ 5.2060, 6.1144,
7.9042

321.0798,

■ 2.4046, 2.9148,

347.4855, 396.0036

3.9468

379.6618,
410.2583, 466.4027

■ 0.8474, 1.0874,
1.5962

■ 0.0000, 0.0000,
0.2881

■ 68.6017, 75.6560,
88.8293

■ 68.6017, 75.6560,
88.8293

■ 61.6629, 70.7142,
88.2424

■ 76.5298, 81.1383,
89.4708

■ 55.6642, 66.2814,
87.7029

■ 85.4807, 87.1724,
90.1638

■ 50.5619, 62.3368,
87.2104

■ 87.2590, 89.5356,
90.5262

■ 46.3062, 58.8546,
86.7626

■ 88.2515, 91.5206,
90.8570

42.8425, 55.8066,
86.3568

89.2622, 93.5420,
91.1939

40.1094, 53.1609,
85.9902

90.2912, 95.5999,
91.5369

38.0367, 50.8812,
85.6594

91.3385, 97.6946,
91.8860

36.5395, 48.9236,
85.3605

91.8515, 98.7206,
92.0570

35.6454, 47.5283,
85.1383

Harmonies

Analogous

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



67.9753, 75.6560, 83.0165



68.6017, 75.6560, 88.8293



70.1132, 75.6560, 93.0667

Triad

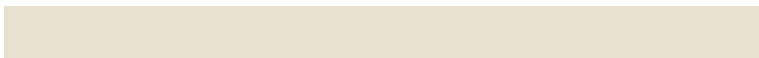
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.6017, 75.6560, 88.8293



75.5505, 75.6560, 87.6718



71.6861, 75.6560, 71.4243

Complementary

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



68.6017, 75.6560, 88.8293



68.1193, 68.0415, 67.9368

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.



73.7347, 75.6560, 72.5380



68.6017, 75.6560, 88.8293



75.9911, 75.6560, 81.7399

Square

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



68.6017, 75.6560, 88.8293



74.1279, 75.6560, 92.3761



75.3204, 75.6560, 76.2441



69.7343, 75.6560, 73.1260

Rectangle

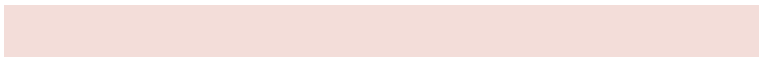
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



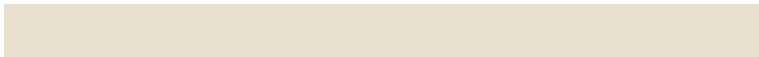
68.6017, 75.6560, 88.8293



71.4334, 75.6560, 94.3252



75.3204, 75.6560, 76.2441



72.3862, 75.6560, 71.4821

Sweetspot

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



68.6039, 75.6592, 88.8310



90.9337, 97.1911, 108.5748



66.4773, 76.6086, 72.0832



19.3027, 20.6924, 23.2266



0.0000, 0.0000, 0.0000



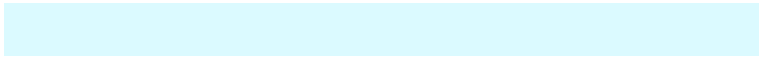
20.3446, 21.4041, 23.3091

Same Dimension

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



68.6039, 75.6592, 88.8310



81.5097, 90.6384, 107.8067



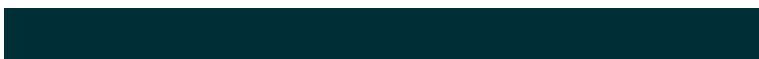
64.9304, 68.3121, 87.6065



15.3238, 16.7340, 19.3446



20.1016, 26.8502, 47.8661



1.6287, 2.2088, 3.7754

Inverse Universe

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



70.2876, 67.3497, 84.1619



83.8902, 78.9758, 101.1862



71.6575, 75.1180, 69.1162



15.6170, 15.2746, 18.5343



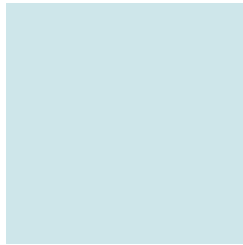
25.0017, 12.2034, 32.1397



1.9886, 0.9684, 2.6572

Previews

White Background



This preview shows how the XYZ color 68.6017, 75.6560, 88.8293 looks on a white background.

Color Contrast Check

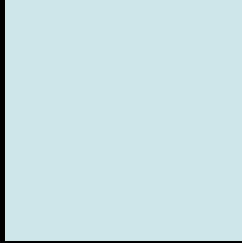
Large Text (above 18pt) WCAG AA × Fail

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 68.6017, 75.6560, 88.8293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

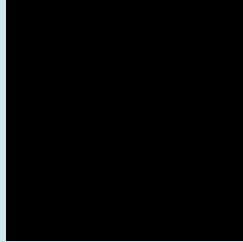
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.6017, 75.6560, 88.8293

Background



This preview shows how black text looks on a background with the XYZ color 68.6017, 75.6560, 88.8293.

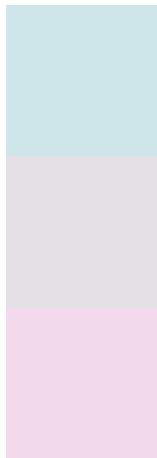


This preview shows how white text looks on a background with the XYZ color 68.6017, 75.6560,

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

68.6017, 75.6560, 88.8293

Protanopia

72.9335, 75.5185, 85.5954

Deuteranopia

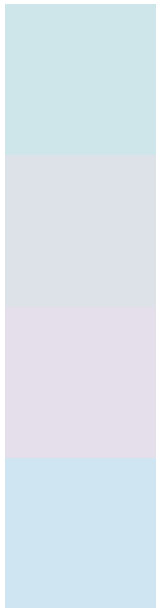
76.8297, 75.0762, 89.7987



Tritanopia

70.3904, 75.5505, 98.0615

Trichromacy



Original Color

68.6017, 75.6560, 88.8293

Protanomaly

71.1354, 75.3779, 86.4015

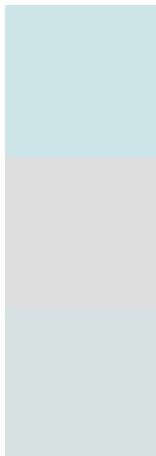
Deuteranomaly

73.4298, 74.8987, 89.1840

Tritanomaly

69.7785, 75.7148, 94.9411

Monochromacy



Original Color

68.6017, 75.6560, 88.8293

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.6768, 74.6905, 83.4174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6017, 75.6560, 88.8293 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(206, 230, 234)` looks like.

```
.text, #text, p{  
    color:rgb(206, 230, 234)  
}
```

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(206, 230, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 230, 234) }
```

Border

The CSS property to change the border of an element to XYZ 68.6017, 75.6560, 88.8293 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(206, 230, 234) }
```


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

```
.border{ border-color:rgb(206, 230, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 230, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 230, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 230, 234);  
box-shadow:4px 4px 4px 4px rgb(206, 230,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6017, 75.6560, 88.8293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 230, 234) }
```

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

```
.background{ background-color: rgb(206,  
230, 234) }
```

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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