

Converting Colors

XYZ(68.0974, 75.4686, 84.7787)

Have a look what the booklet for
XYZ(68.0974, 75.4686, 84.7787)
contains.

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Color

**XYZ(68.1718, 75.5162,
85.1118)**

Conversions

Conversions Part 1

Format	Color
Hex	CFE6E5
RGB	207, 230, 229
RGB Percent	81%, 90%, 90%
CMY	0.1882, 0.0980, 0.1020
CMYK	0.10, 0.00, 0.00, 0.10
HSL	177°, 32%, 86%
HSV	177°, 10%, 90%
XYZ	68.1718, 75.5162, 85.1118
YIQ	223.0090, -13.3870, -5.1870

Conversions

Conversions Part 2

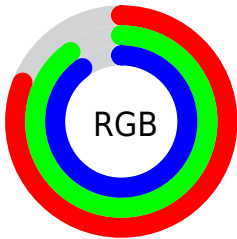
Format	Color
R_{YB}	207, 219, 230
Decimal	13625061
CIE _{Lab}	89.63, -7.75, -2.11
CIE _{LCh}	90, 8.034, 195.208
Yxy	75.5162, 0.2980, 0.3301
Android (android.graphics.Color)	4291815141 (0xFFCFE6E5)
YUV	223.0090, 2.9536, -14.0399
Hunter-Lab	86.9001, -12.0445, 2.7601

Details

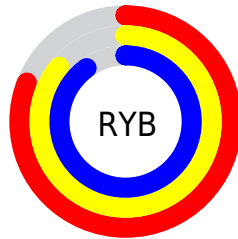
The XYZ color **68.1718, 75.5162, 85.1118** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.3339, 66.0047, 68.9220**, and the grayscale version is **70.1339, 73.7864, 80.3534**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1068, 40.4882, 45.9564** is the 20% darker color. If you saturate the color by 10%, you get **62.0691, 72.3883, 84.0985**, and if you desaturate by 10%, it is **75.2157, 79.1333, 86.1765**.

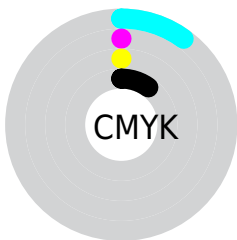
Distribution



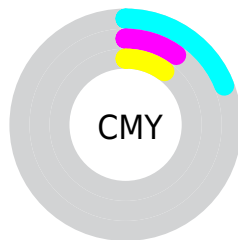
- Red (81%)
- Green (90%)
- Blue (90%)



- Red (81%)
- Yellow (86%)
- Blue (90%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1718, 75.5162, 85.1118 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 68.1718, 75.5162, 85.1118 by changing the saturation by 10% instead.

■ 68.1718, 75.5162,
85.1118

■ 68.1718, 75.5162,
85.1118

443.4717,
479.6899, 532.1522

■ 50.3117, 56.0359,
63.3831

115.6384,
127.0428, 142.4049

■ 35.8799, 40.2317,
45.7082

145.9757,
159.8579, 178.8064

■ 24.5112, 27.7192,
31.6686

181.2027,
197.8866, 220.9359

■ 15.8400, 18.1141,
20.8458

221.6848,
241.5135, 269.2119

■ 9.5011, 11.0320,
12.8212

267.7874,
291.1229, 324.0530

■ 5.1292, 6.0883,
7.1762

319.8759,

■ 2.3588, 2.8989,

347.0992, 385.8777

3.4925

378.3155,
409.8267, 455.1046

■ 0.8245, 1.0792,
1.3513

■ 0.0000, 0.0000,
0.1033

■ 68.1718, 75.5162,
85.1118

■ 68.1718, 75.5162,
85.1118

■ 62.0691, 72.3883,
84.0985

■ 75.2157, 79.1333,
86.1765

■ 56.8608, 69.7194,
83.1297


■ 83.2323, 83.2497,
87.2895


■ 52.5058, 67.4903,
82.2050


■ 84.1054, 83.6833,
88.0723


■ 48.9574, 65.6769,
81.3223

■ 84.2484, 83.7405,
88.8253


 46.1643, 64.2527,
80.4791


 84.3922, 83.7980,
89.5825

 44.0692, 63.1883,
79.6728


 84.5368, 83.8559,
90.3440


 42.6067, 62.4500,
78.9003

 84.6822, 83.9141,
91.1099

 41.6993, 61.9977,
78.1579

 84.8285, 83.9726,
91.8800

 41.2127, 61.7623,
77.4395

 84.9755, 84.0314,
92.6545

Harmonies

Analogous

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



68.1649, 75.5162, 79.4776



68.1718, 75.5162, 85.1118



69.1324, 75.5162, 90.1903

Triad

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



68.1718, 75.5162, 85.1118



74.5060, 75.5162, 90.1307



72.7502, 75.5162, 72.1465

Complementary

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



68.1718, 75.5162, 85.1118



66.3339, 66.0047, 68.9220

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.



74.4859, 75.5162, 74.7418



68.1718, 75.5162, 85.1118



75.5122, 75.5162, 85.0336

Square

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



68.1718, 75.5162, 85.1118



72.7772, 75.5162, 93.1771



75.5048, 75.5162, 79.4029



70.7838, 75.5162, 72.1653

Rectangle

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



68.1718, 75.5162, 85.1118



70.1946, 75.5162, 92.5030



75.5048, 75.5162, 79.4029



73.3808, 75.5162, 72.7367

Sweetspot

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



68.1740, 75.5194, 85.1135



92.2376, 98.5564, 108.4882



65.6161, 74.5335, 69.9607



19.5858, 21.0146, 23.1976



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.



68.1740, 75.5194, 85.1135



84.4604, 94.5656, 107.2865



65.5187, 69.9839, 84.9217



14.7789, 16.3250, 18.3662



23.3434, 34.9695, 43.9044



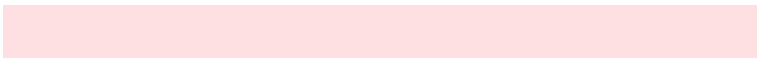
1.7335, 2.5875, 3.2890

Inverse Universe

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



66.3339, 66.0047, 68.9220



81.6944, 80.2630, 82.9475



68.8015, 71.1370, 69.1372



14.4023, 14.3781, 15.0532



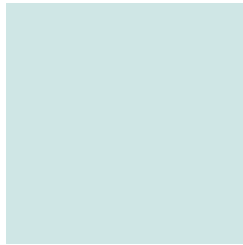
18.5177, 9.5413, 1.0893



1.3774, 0.7087, 0.1281

Previews

White Background



This preview shows how the XYZ color 68.1718, 75.5162, 85.1118 looks on a white background.

Color Contrast Check

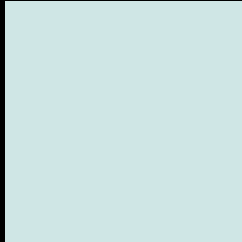
Large Text (above 18pt) WCAG AA × Fail

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 68.1718, 75.5162, 85.1118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

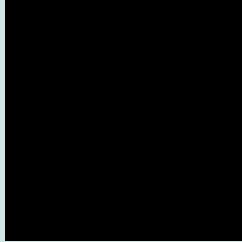
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

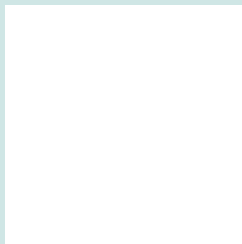
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.1718, 75.5162, 85.1118

Background



This preview shows how black text looks on a background with the XYZ color 68.1718, 75.5162, 85.1118.

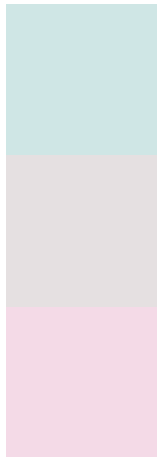


This preview shows how white text looks on a background with the XYZ color 68.1718, 75.5162,

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

68.1718, 75.5162, 85.1118

Protanopia

72.5594, 75.4056, 81.9646

Deuteranopia

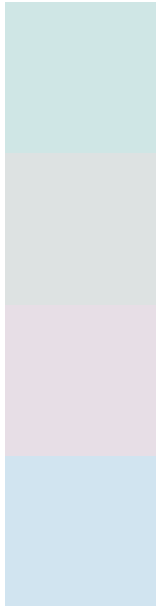
76.8034, 75.1454, 86.0578



Tritanopia

70.6820, 75.2936, 97.9966

Trichromacy



Original Color

68.1718, 75.5162, 85.1118

Protanomaly

70.7426, 75.2559, 82.7488

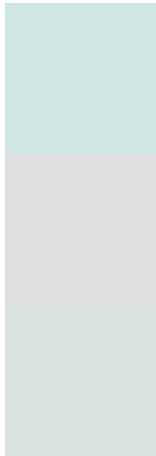
Deuteranomaly

73.3592, 74.9446, 85.4622

Tritanomaly

69.7661, 75.3334, 93.3018

Monochromacy



Original Color

68.1718, 75.5162, 85.1118

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.4022, 74.5807, 81.9718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1718, 75.5162, 85.1118 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(207, 230, 229)` looks like.

```
.text, #text, p{  
    color:rgb(207, 230, 229)  
}
```

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(207, 230, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 230, 229) }
```

Border

The CSS property to change the border of an element to XYZ 68.1718, 75.5162, 85.1118 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(207, 230, 229) }
```


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

```
.border{ border-color:rgb(207, 230, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 230, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 230, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 230, 229);  
box-shadow:4px 4px 4px 4px rgb(207, 230,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1718, 75.5162, 85.1118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 230, 229) }
```

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

```
.background{ background-color: rgb(207,  
230, 229) }
```

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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