

Converting Colors

XYZ(67.9698, 81.4065, 67.5832)

Have a look what the booklet for
XYZ(67.9698, 81.4065, 67.5832)
contains.

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Color

**XYZ(68.0468, 81.4400,
67.3914)**

Conversions

Conversions Part 1

Format	Color
Hex	CEF3C9
RGB	206, 243, 201
RGB Percent	81%, 95%, 79%
CMY	0.1922, 0.0470, 0.2118
CMYK	0.15, 0.00, 0.17, 0.05
HSL	113°, 64%, 87%
HSV	113°, 17%, 95%
XYZ	68.0468, 81.4400, 67.3914
YIQ	227.1490, -8.5700, -20.9060

Conversions

Conversions Part 2

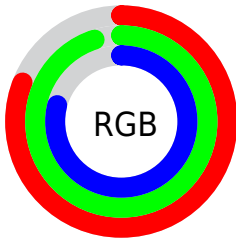
Format	Color
R_{YB}	201, 243, 238
Decimal	13562825
CIE _{Lab}	92.33, -19.63, 16.33
CIE _{LCh}	92, 25.536, 140.251
Yxy	81.4400, 0.3138, 0.3755
Android (android.graphics.Color)	4291752905 (0xFFCECF3C9)
YUV	227.1490, -12.8915, -18.5477
Hunter-Lab	90.2441, -23.3328, 18.8950

Details

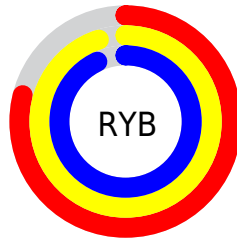
The XYZ color **68.0468, 81.4400, 67.3914** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.3275, 66.4238, 93.8072**, and the grayscale version is **73.2192, 77.0323, 83.8882**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7993, 44.2265, 34.2535** is the 20% darker color. If you saturate the color by 10%, you get **59.8678, 77.5305, 53.2487**, and if you desaturate by 10%, it is **77.4920, 85.9547, 83.9574**.

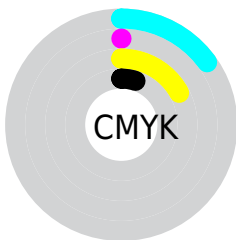
Distribution



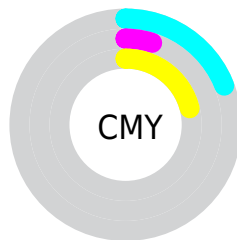
- Red (81%)
- Green (95%)
- Blue (79%)



- Red (79%)
- Yellow (95%)
- Blue (93%)



- Cyan (15%)
- Magenta (0%)
- Yellow (17%)
- Black (5%)



- Cyan (19%)
- Magenta (5%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0468, 81.4400, 67.3914 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 68.0468, 81.4400, 67.3914 by changing the saturation by 10% instead.

68.0468, 81.4400,
67.3914

68.0468, 81.4400,
67.3914

443.0359,
499.7726, 469.8761

50.2096, 60.9040,
48.9392

115.4606,
135.3884, 117.1270

35.7985, 44.1477,
34.2060

145.7680,
169.5697, 149.2475

24.4480, 30.7867,
22.7732

180.9628,
209.0681, 186.7612

15.7928, 20.4365,
14.2224

221.4104,
254.2682, 230.0866

9.4676, 12.7127,
8.1350

267.4762,
305.5543, 279.6422

5.1069, 7.2310,
4.0925

319.5255,

2.3455, 3.6070,

363.3108, 335.8467

1.6762

377.9236,
427.9221, 399.1184

■ 0.8178, 1.4562,
0.3443

■ 0.0000, 0.2576,
0.0000

■ 68.0468, 81.4400,
67.3914

■ 68.0468, 81.4400,
67.3914

■ 59.8678, 77.5305,
53.2487

■ 77.4920, 85.9547,
83.9574

■ 52.8947, 74.1906,
41.4106

■ 88.2473, 91.0879,
103.0471

■ 47.0721, 71.3965,
31.7567

■ 91.3422, 92.5843,
107.6641

■ 42.3376, 69.1192,
24.1534

■ 38.6229, 67.3266,
18.4525

■ 35.8518, 65.9829,
14.4859

■ 33.9371, 65.0476,
12.0561

■ 32.7725, 64.4715,
10.9064

■ 32.5567, 64.3644,
10.7077

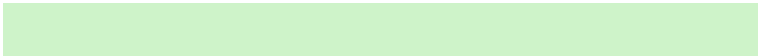
Harmonies

Analogous

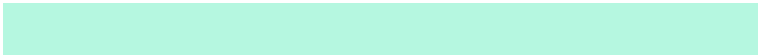
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.0932, 81.4400, 58.7410



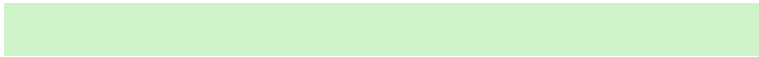
68.0468, 81.4400, 67.3914



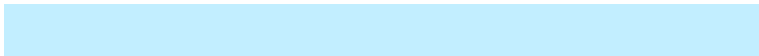
65.5523, 81.4400, 82.6569

Triad

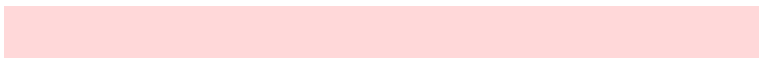
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.0468, 81.4400, 67.3914



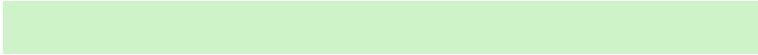
75.2756, 81.4400, 129.5676



89.9429, 81.4400, 76.6714

Complementary

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



68.0468, 81.4400, 67.3914



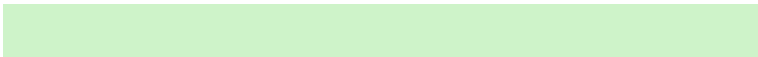
72.3275, 66.4238, 93.8072

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.



90.6095, 81.4400, 94.9770



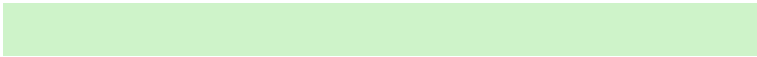
68.0468, 81.4400, 67.3914



81.8858, 81.4400, 127.3616

Square

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



68.0468, 81.4400, 67.3914



69.5663, 81.4400, 119.6811



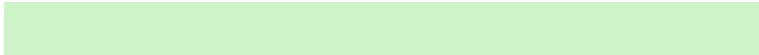
87.5869, 81.4400, 114.0237



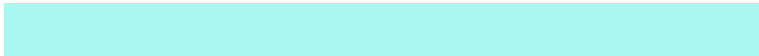
85.8142, 81.4400, 63.5467

Rectangle

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



68.0468, 81.4400, 67.3914



65.5696, 81.4400, 95.3057



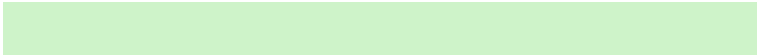
87.5869, 81.4400, 114.0237



90.5880, 81.4400, 82.3579

Sweetspot

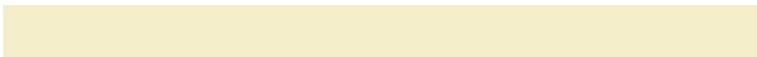
The Sweet Spot groups the original color and five complimentary colors.



68.0490, 81.4435, 67.3932



89.0522, 97.1374, 98.2572



77.9084, 84.0758, 67.3816



18.8868, 20.7083, 20.7233



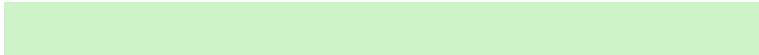
0.0000, 0.0000, 0.0000



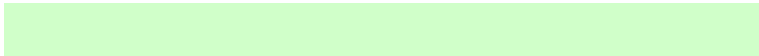
20.3446, 21.4041, 23.3091

Same Dimension

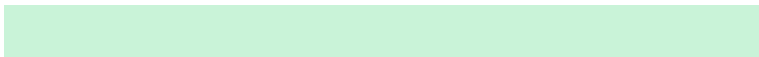
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.0490, 81.4435, 67.3932



72.3185, 89.1426, 68.9309



68.5870, 81.5009, 77.3557



16.4654, 18.5664, 17.5134



17.9248, 35.3534, 5.8792



1.6334, 3.1371, 0.5194

Inverse Universe

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



72.3275, 66.4238, 93.8072



77.9756, 69.2746, 103.8693



71.7998, 66.4093, 82.1450



17.0081, 16.6623, 20.8623



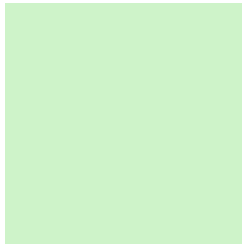
24.1875, 11.4434, 47.4720



2.1796, 1.0335, 4.1748

Previews

White Background



This preview shows how the XYZ color 68.0468, 81.4400, 67.3914 looks on a white background.

Color Contrast Check

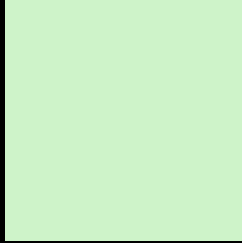
Large Text (above 18pt) WCAG AA × Fail

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 68.0468, 81.4400, 67.3914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

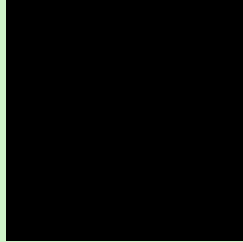
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

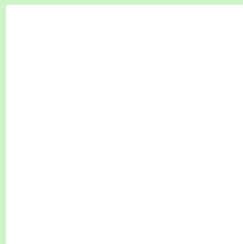
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.0468, 81.4400, 67.3914

Background



This preview shows how black text looks on a background with the XYZ color 68.0468, 81.4400, 67.3914.



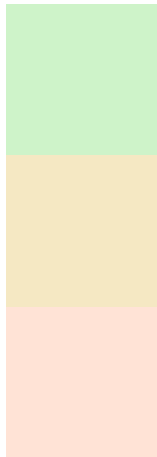
This preview shows how white text looks on a background with the XYZ color 68.0468, 81.4400,

67.3914.

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

68.0468, 81.4400, 67.3914

Protanopia

76.3631, 81.0658, 63.2523

Deuteranopia

80.8467, 81.0532, 75.0021



Tritanopia

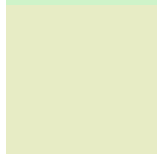
75.9092, 81.5937, 105.5143

Trichromacy



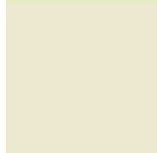
Original Color

68.0468, 81.4400, 67.3914



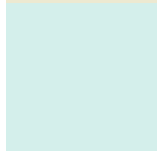
Protanomaly

73.0285, 81.0110, 64.6110



Deuteranomaly

75.5726, 80.8858, 71.9510



Tritanomaly

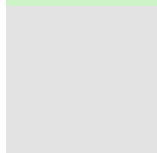
73.0133, 81.7282, 90.5242

Monochromacy



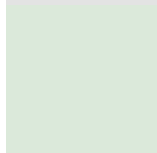
Original Color

68.0468, 81.4400, 67.3914



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

71.0072, 78.3999, 77.7199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0468, 81.4400, 67.3914 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, 243, 201)` looks like.

```
.text, #text, p{  
    color:rgb(206, 243, 201)  
}
```

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, 243, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 243, 201) }
```

Border

The CSS property to change the border of an element to XYZ 68.0468, 81.4400, 67.3914 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, 243, 201) }
```


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

```
.border{ border-color:rgb(206, 243, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 243, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 243, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 243, 201);  
box-shadow:4px 4px 4px 4px rgb(206, 243,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0468, 81.4400, 67.3914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 243, 201) }
```

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

```
.background{ background-color: rgb(206,  
243, 201) }
```

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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