

Converting Colors

XYZ(68.0708, 83.4738, 64.2270)

Have a look what the booklet for
XYZ(68.0708, 83.4738, 64.2270)
contains.

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Color

**XYZ(68.0129, 83.2990,
64.1234)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | CCF7C3 |
| RGB | 204, 247, 195 |
| RGB Percent | 80%, 97%, 76% |
| CMY | 0.2000, 0.0314, 0.2353 |
| CMYK | 0.17, 0.00, 0.21, 0.03 |
| HSL | 110°, 76%, 87% |
| HSV | 110°, 21%, 97% |
| XYZ | 68.0129, 83.2990, 64.1234 |
| YIQ | 228.2150, -8.9360, -25.2880 |

Conversions

Conversions Part 2

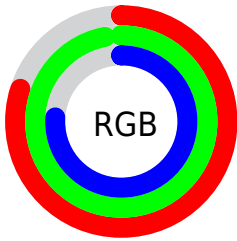
| Format | Color |
|-------------------------------------|---------------------------------------------------------------|
| RYB | 195, 247, 238 |
| Decimal | 13432771 |
| CIELab | 93.15, -23.23, 20.54 |
| CIELCh | 93, 31.011, 138.522 |
| Yxy | 83.2990, 0.3157, 0.3867 |
| Android (android.graphics.Color) | 4291622851 (0xFFCCCF7C3) |
| YUV | 228.2150, -16.3750, -21.2366 |
| Hunter-Lab | 91.2683, -26.7017, 22.2317 |

Details

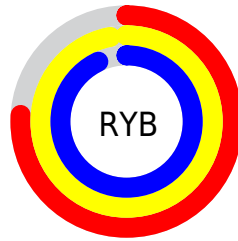
The XYZ color **68.0129, 83.2990, 64.1234** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.5669, 63.9251, 96.5668**, and the grayscale version is **74.0228, 77.8778, 84.8089**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **35.8329, 45.5743, 32.1074** is the 20% darker color. If you saturate the color by 10%, you get **60.2121, 79.5764, 50.3662**, and if you desaturate by 10%, it is **77.0144, 87.5920, 80.3517**.

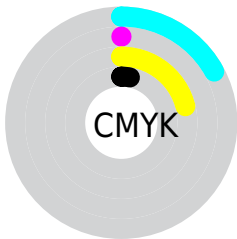
Distribution



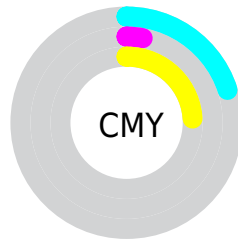
- Red (80%)
- Green (97%)
- Blue (76%)



- Red (76%)
- Yellow (97%)
- Blue (93%)



- Cyan (17%)
- Magenta (0%)
- Yellow (21%)
- Black (3%)



- Cyan (20%)
- Magenta (3%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0129, 83.2990, 64.1234 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 68.0129, 83.2990, 64.1234 by changing the saturation by 10% instead.

68.0129, 83.2990,
64.1234

68.0129, 83.2990,
64.1234

442.9177,
505.9825, 457.8548

50.1819, 62.4368,
46.3038

115.4124,
137.9942, 112.3898

35.7764, 45.3858,
32.1352

145.7117,
172.5959, 143.6737

24.4308, 31.7614,
21.1991

180.8977,
212.5464, 180.2828

15.7800, 21.1793,
13.0770

221.3360,
258.2299, 222.6356

9.4585, 13.2551,
7.3502

267.3917,
310.0309, 271.1506

5.1009, 7.6045,
3.6003

319.4304,

2.3420, 3.8429,

368.3337, 326.2465

1.4088

377.8173,
433.5228, 388.3417

■ 0.8160, 1.5861,
0.1485

■ 0.0000, 0.3482,
0.0000

■ 68.0129, 83.2990,
64.1234

■ 68.0129, 83.2990,
64.1234

■ 60.2121, 79.5764,
50.3662

■ 77.0144, 87.5920,
80.3517

■ 53.5544, 76.3900,
38.9538

■ 87.2579, 92.4671,
99.1582

■ 47.9872, 73.7178,
29.7569

■ 92.5524, 95.0048,
108.0675

■ 43.4510, 71.5323,
22.6317

■ 39.8806, 69.8034,
17.4171

■ 37.2030, 68.4974,
13.9286

■ 35.3337, 67.5758,
11.9452

■ 34.2479, 67.0329,
11.1336

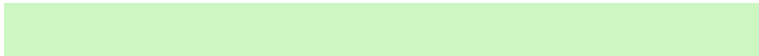
Harmonies

Analogous

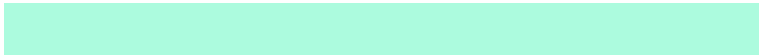
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.3030, 83.2990, 54.4792



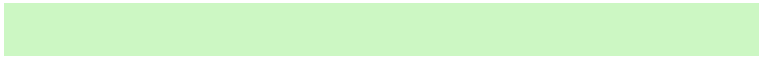
68.0129, 83.2990, 64.1234



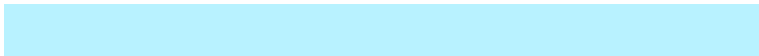
64.7995, 83.2990, 82.0651

Triad

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



68.0129, 83.2990, 64.1234



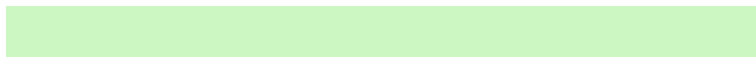
76.0983, 83.2990, 142.1197



94.9661, 83.2990, 77.1872

Complementary

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



68.0129, 83.2990, 64.1234



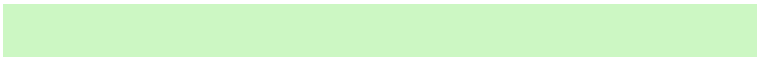
71.5669, 63.9251, 96.5668

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.



95.5292, 83.2990, 99.9170



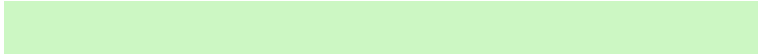
68.0129, 83.2990, 64.1234



84.2516, 83.2990, 140.2048

Square

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



68.0129, 83.2990, 64.1234



69.2494, 83.2990, 128.6108



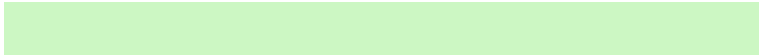
91.4921, 83.2990, 123.7566



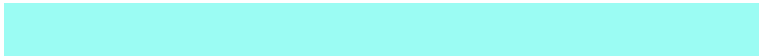
90.0024, 83.2990, 61.0814

Rectangle

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



68.0129, 83.2990, 64.1234



64.6769, 83.2990, 97.5066



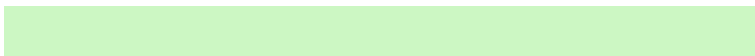
91.4921, 83.2990, 123.7566



95.6883, 83.2990, 84.2148

Sweetspot

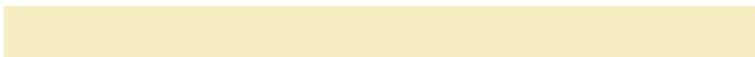
The Sweet Spot groups the original color and five complimentary colors.



68.0151, 83.3026, 64.1252



88.1810, 96.7323, 96.2282



78.6311, 84.5571, 63.8078



18.7207, 20.6316, 20.3148



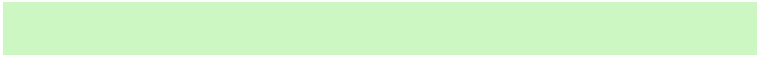
0.0000, 0.0000, 0.0000



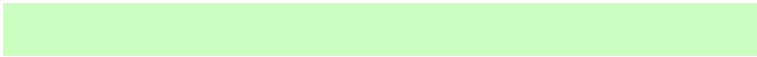
20.3446, 21.4041, 23.3091

Same Dimension

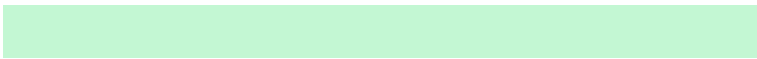
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.0151, 83.3026, 64.1252



69.6249, 87.8885, 62.7291



67.5855, 82.8539, 74.3675



16.5495, 18.6098, 17.5174



18.1928, 35.4915, 5.8917



1.6731, 3.1576, 0.5213

Inverse Universe

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



71.5669, 63.9251, 96.5668



74.0326, 63.8182, 103.0239



72.2338, 64.5497, 83.9116



16.9158, 16.6148, 20.8580



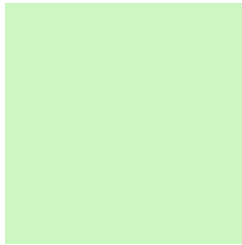
22.1934, 10.4154, 47.3787



2.0230, 0.9528, 4.1675

Previews

White Background



This preview shows how the XYZ color 68.0129, 83.2990, 64.1234 looks on a white background.

Color Contrast Check

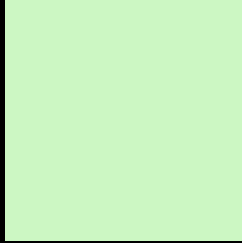
Large Text (above 18pt) WCAG AA × Fail

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 68.0129, 83.2990, 64.1234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

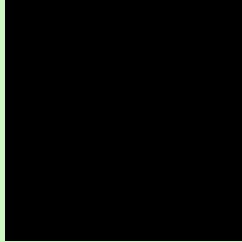
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

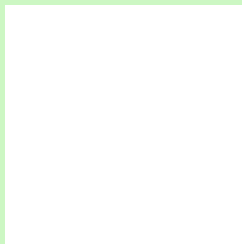
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.0129, 83.2990, 64.1234

Background



This preview shows how black text looks on a background with the XYZ color 68.0129, 83.2990, 64.1234.



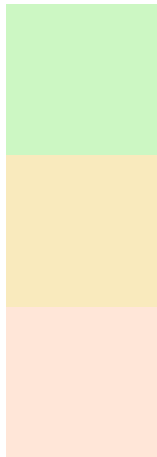
This preview shows how white text looks on a background with the XYZ color 68.0129, 83.2990,

64.1234.

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

68.0129, 83.2990, 64.1234

Protanopia

77.6750, 82.6595, 60.0051

Deuteranopia

81.9315, 82.8115, 76.6317



Tritanopia

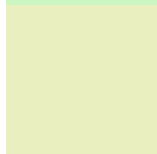
77.2398, 83.1208, 106.5807

Trichromacy



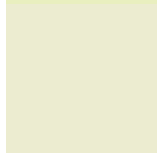
Original Color

68.0129, 83.2990, 64.1234



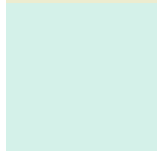
Protanomaly

73.8747, 82.8182, 61.3821



Deuteranomaly

75.9727, 82.3778, 71.5708



Tritanomaly

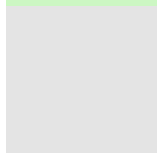
73.3147, 82.7908, 89.2069

Monochromacy



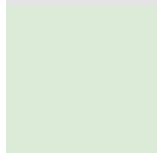
Original Color

68.0129, 83.2990, 64.1234



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.3164, 79.4346, 76.5394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0129, 83.2990, 64.1234 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(204, 247, 195)` looks like.

```
.text, #text, p{  
    color:rgb(204, 247, 195)  
}
```

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(204, 247, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 247, 195) }
```

Border

The CSS property to change the border of an element to XYZ 68.0129, 83.2990, 64.1234 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(204, 247, 195) }
```


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

```
.border{ border-color:rgb(204, 247, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 247, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 247, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 247, 195);  
box-shadow:4px 4px 4px 4px rgb(204, 247,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0129, 83.2990, 64.1234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 247, 195) }
```

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

```
.background{ background-color: rgb(204,  
247, 195) }
```

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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