

Converting Colors

XYZ(65.8530, 78.5101, 68.8099)

Have a look what the booklet for XYZ(65.8530, 78.5101, 68.8099) contains.

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Color

**XYZ(65.8530, 78.5101,
68.8099)**

Conversions

Conversions Part 1

Format	Color
Hex	C9EFCC
RGB	201, 239, 204
RGB Percent	79%, 94%, 80%
CMY	0.2118, 0.0627, 0.2000
CMYK	0.16, 0.00, 0.15, 0.06
HSL	125°, 54%, 86%
HSV	125°, 16%, 94%
XYZ	65.8530, 78.5101, 68.8099
YIQ	223.6480, -11.4130, -18.9410

Conversions

Conversions Part 2

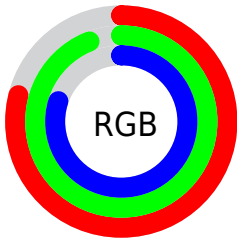
Format	Color
R_{YB}	201, 236, 239
Decimal	13234124
CIE _{Lab}	91.01, -18.82, 12.87
CIE _{LCh}	91, 22.806, 145.633
Yxy	78.5101, 0.3089, 0.3683
Android (android.graphics.Color)	4291424204 (0xFFC9EFCC)
YUV	223.6480, -9.6865, -19.8623
Hunter-Lab	88.6059, -22.3970, 15.9805

Details

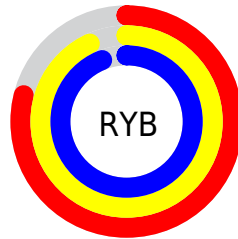
The XYZ color **65.8530, 78.5101, 68.8099** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.6264, 66.1821, 88.3598**, and the grayscale version is **70.6748, 74.3554, 80.9731**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.4711, 42.2720, 35.1967** is the 20% darker color. If you saturate the color by 10%, you get **57.4648, 74.4719, 55.5954**, and if you desaturate by 10%, it is **75.6184, 83.2196, 84.0402**.

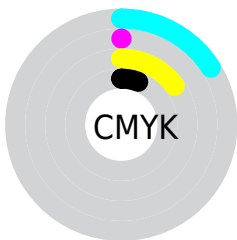
Distribution



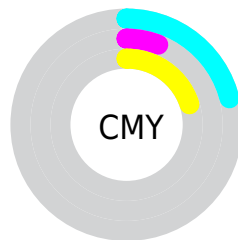
- Red (79%)
- Green (94%)
- Blue (80%)



- Red (79%)
- Yellow (93%)
- Blue (94%)



- Cyan (16%)
- Magenta (0%)
- Yellow (15%)
- Black (6%)



- Cyan (21%)
- Magenta (6%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.8530, 78.5101, 68.8099 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 65.8530, 78.5101, 68.8099 by changing the saturation by 10% instead.

65.8530, 78.5101,
68.8099

65.8530, 78.5101,
68.8099

435.3479,
489.8975, 475.0360

48.4203, 58.4931,
50.0861

112.3342,
131.2690, 119.1752

34.3725, 42.2052,
35.1102

142.1135,
164.7796, 151.6537

23.3442, 29.2620,
23.4635

176.7390,
203.5569, 189.5543

14.9699, 19.2791,
14.7276

216.5762,
247.9853, 233.2954

8.8845, 11.8721,
8.4840

261.9903,
298.4492, 283.2955

4.7224, 6.6567,
4.3140

313.3467,

2.1184, 3.2483,

355.3329, 339.9733

1.7991

371.0108,
419.0208, 403.7473

0.6992, 1.2627,
0.4274

0.0000, 0.1121,
0.0000

65.8530, 78.5101,
68.8099

65.8530, 78.5101,
68.8099

57.4648, 74.4719,
55.5954

75.6184, 83.2196,
84.0402

50.3857, 71.0650,
44.3074

86.8124, 88.6186,
101.3602

44.5515, 68.2605,
34.8575

90.1580, 90.2160,
107.2693

39.8901, 66.0232,
27.1483

■ 36.3217, 64.3144,
21.0737

■ 33.7568, 63.0904,
16.5158

■ 32.0915, 62.3004,
13.3409

■ 31.1990, 61.8825,
11.3921

■ 30.9844, 61.7826,
10.9024

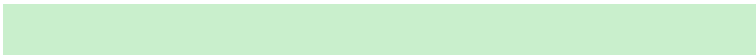
Harmonies

Analogous

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



69.9349, 78.5101, 59.9715



65.8530, 78.5101, 68.8099



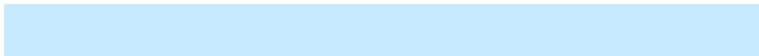
64.1204, 78.5101, 83.0932

Triad

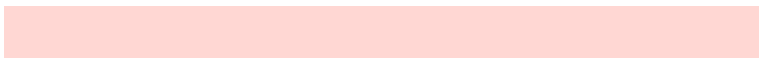
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.8530, 78.5101, 68.8099



73.7819, 78.5101, 121.1466



85.0520, 78.5101, 72.4911

Complementary

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



65.8530, 78.5101, 68.8099



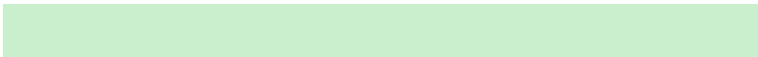
71.6264, 66.1821, 88.3598

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.



86.2108, 78.5101, 87.9205



65.8530, 78.5101, 68.8099



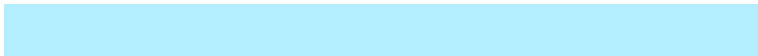
79.5129, 78.5101, 117.3666

Square

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



65.8530, 78.5101, 68.8099



68.5463, 78.5101, 114.4103



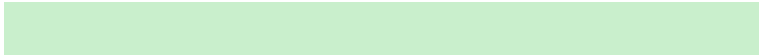
84.1357, 78.5101, 104.6554



81.0455, 78.5101, 61.8974

Rectangle

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



65.8530, 78.5101, 68.8099



64.4620, 78.5101, 94.3140



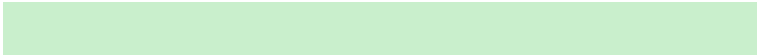
84.1357, 78.5101, 104.6554



85.7960, 78.5101, 77.2233

Sweetspot

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



65.8551, 78.5134, 68.8116



88.6803, 96.9281, 99.0324



76.1596, 83.8668, 67.4332



18.7968, 20.6577, 20.9107



0.0000, 0.0000, 0.0000



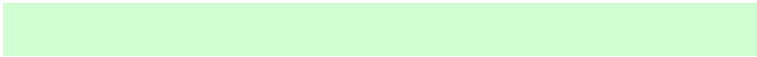
20.3446, 21.4041, 23.3091

Same Dimension

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



65.8551, 78.5134, 68.8116



73.0462, 89.3925, 74.6226



68.2127, 79.4565, 81.2266



15.6165, 17.6766, 17.0036



17.1402, 34.1481, 6.1212



1.4433, 2.8478, 0.6008

Inverse Universe

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



71.6264, 66.1821, 88.3598



80.8841, 72.6440, 101.1701



69.0709, 65.1599, 74.9032



16.3973, 16.0086, 19.6482



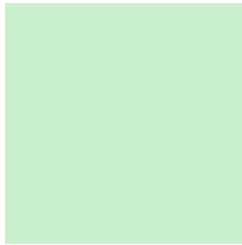
26.8428, 13.0095, 38.6842



2.2489, 1.0886, 3.3017

Previews

White Background



This preview shows how the XYZ color 65.8530, 78.5101, 68.8099 looks on a white background.

Color Contrast Check

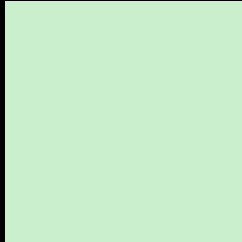
Large Text (above 18pt) WCAG AA × Fail

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 65.8530, 78.5101, 68.8099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

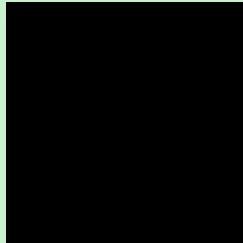
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

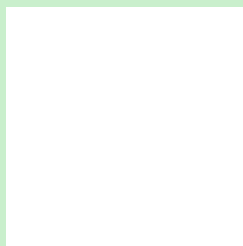
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.8530, 78.5101, 68.8099

Background



This preview shows how black text looks on a background with the XYZ color 65.8530, 78.5101, 68.8099.

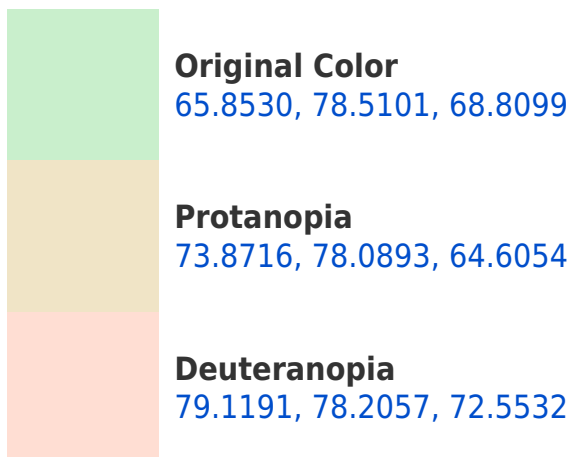


This preview shows how white text looks on a background with the XYZ color 65.8530, 78.5101,

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

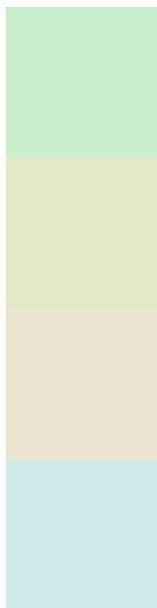




Tritanopia

72.5637, 78.2336, 102.5429

Trichromacy



Original Color

65.8530, 78.5101, 68.8099

Protanomaly

70.6460, 78.0521, 65.9857

Deuteranomaly

73.3895, 77.7030, 70.8047

Tritanomaly

70.0132, 78.4790, 89.2998

Monochromacy



Original Color

65.8530, 78.5101, 68.8099

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

68.8626, 75.6473, 76.6176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8530, 78.5101, 68.8099 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(201, 239, 204)` looks like.

```
.text, #text, p{  
    color:rgb(201, 239, 204)  
}
```

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(201, 239, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 239, 204) }
```

Border

The CSS property to change the border of an element to XYZ 65.8530, 78.5101, 68.8099 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(201, 239, 204) }
```


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

```
.border{ border-color:rgb(201, 239, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 239, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 239, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 239, 204); box-shadow:4px 4px 4px 4px rgb(201, 239, 204) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8530, 78.5101, 68.8099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 239, 204) }
```

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

```
.background{ background-color: rgb(201,  
239, 204) }
```

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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