

Converting Colors

XYZ(67.8901, 83.5633, 59.8696)

Have a look what the booklet for
XYZ(67.8901, 83.5633, 59.8696)
contains.

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Color

**XYZ(68.0981, 83.8875,
60.1797)**

Conversions

Conversions Part 1

Format	Color
Hex	CEF8BC
RGB	206, 248, 188
RGB Percent	81%, 97%, 74%
CMY	0.1922, 0.0274, 0.2627
CMYK	0.17, 0.00, 0.24, 0.03
HSL	102°, 81%, 85%
HSV	102°, 24%, 97%
XYZ	68.0981, 83.8875, 60.1797
YIQ	228.6020, -5.7720, -27.5640

Conversions

Conversions Part 2

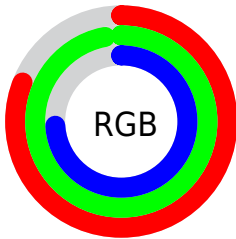
Format	Color
RYB	188, 248, 230
Decimal	13564092
CIELab	93.40, -24.15, 24.49
CIELCh	93, 34.397, 134.601
Yxy	83.8875, 0.3210, 0.3954
Android (android.graphics.Color)	4291754172 (0xFFCEF8BC)
YUV	228.6020, -20.0168, -19.8220
Hunter-Lab	91.5901, -27.5663, 25.1563

Details

The XYZ color **68.0981, 83.8875, 60.1797** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.5632, 59.5692, 96.7485**, and the grayscale version is **74.3310, 78.2020, 85.1620**.

A 20% lighter version of the original color is **93.3291, 99.3117, 99.8380**, and **35.6964, 45.5621, 29.4672** is the 20% darker color. If you saturate the color by 10%, you get **61.0950, 80.5626, 47.0752**, and if you desaturate by 10%, it is **76.0975, 87.6779, 75.7324**.

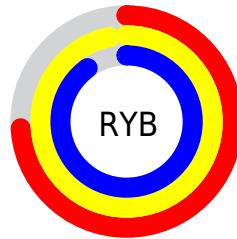
Distribution



Red (81%)

Green (97%)

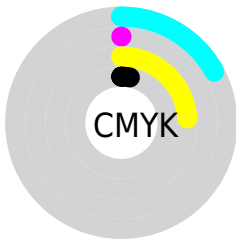
Blue (74%)



Red (74%)

Yellow (97%)

Blue (90%)

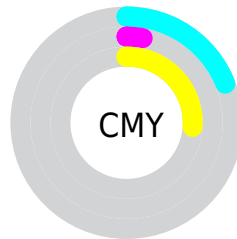


Cyan (17%)

Magenta (0%)

Yellow (24%)

Black (3%)



Cyan (19%)

Magenta (3%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0981, 83.8875, 60.1797 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 68.0981, 83.8875, 60.1797 by changing the saturation by 10% instead.

68.0981, 83.8875,
60.1797

68.0981, 83.8875,
60.1797

443.2148,
507.9396, 443.0828

50.2515, 62.9226,
43.1372

115.5336,
138.8178, 106.6362

35.8319, 45.7786,
29.6606

145.8532,
173.5519, 136.8874

24.4739, 32.0711,
19.3313

181.0613,
213.6446, 172.3785

15.8122, 21.4158,
11.7307

221.5231,
259.4802, 213.5282

9.4813, 13.4283,
6.4402

267.6039,
311.4431, 260.7549

5.1161, 7.7241,
3.0415

319.6693,

2.3510, 3.9189,

369.9177, 314.4772

1.1159

378.0845,
435.2884, 375.1137

■ 0.8206, 1.6283,
0.0000

■ 0.0000, 0.3766,
0.0000

■ 68.0981, 83.8875,
60.1797

■ 68.0981, 83.8875,
60.1797

■ 61.0950, 80.5626,
47.0752

■ 76.0975, 87.6779,
75.7324

■ 55.0409, 77.6741,
36.2889

■ 85.1248, 91.9402,
93.8434

■ 49.8943, 75.2059,
27.6871

■ 92.8591, 95.6182,
108.1697

■ 45.6077, 73.1370,
21.1203

■ 42.1289, 71.4441,
16.4201

■ 39.3992, 70.1011,
13.3911

■ 37.3496, 69.0777,
11.7946

■ 36.4234, 68.6097,
11.3233

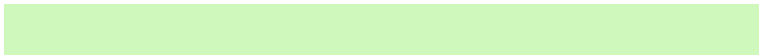
Harmonies

Analogous

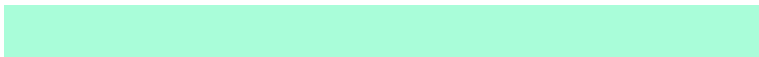
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.4147, 83.8875, 51.0147



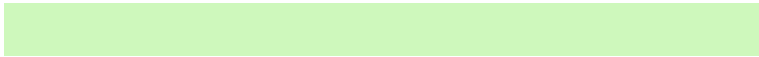
68.0981, 83.8875, 60.1797



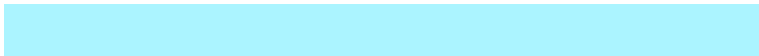
64.0663, 83.8875, 78.7021

Triad

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



68.0981, 83.8875, 60.1797



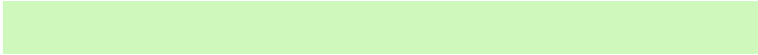
75.1885, 83.8875, 148.4809



97.8369, 83.8875, 79.3132

Complementary

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



68.0981, 83.8875, 60.1797



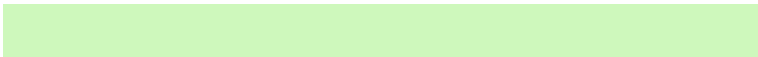
67.5632, 59.5692, 96.7485

Split Complementary

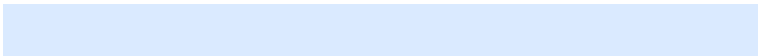
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.7648, 83.8875, 105.2615



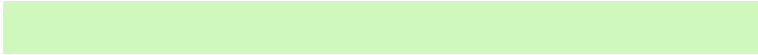
68.0981, 83.8875, 60.1797



84.2122, 83.8875, 148.7304

Square

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



68.0981, 83.8875, 60.1797



67.9433, 83.8875, 131.1102



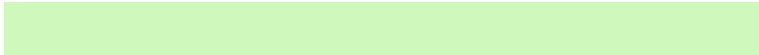
92.6220, 83.8875, 131.7382



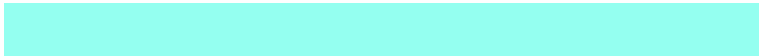
92.8122, 83.8875, 60.5535

Rectangle

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



68.0981, 83.8875, 60.1797



63.5747, 83.8875, 95.4061



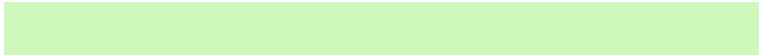
92.6220, 83.8875, 131.7382



98.4194, 83.8875, 87.3896

Sweetspot

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



68.1003, 83.8911, 60.1815



87.8593, 96.6098, 94.2526



76.0888, 80.1846, 59.0451



18.6784, 20.6185, 19.9176



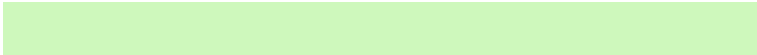
0.0000, 0.0000, 0.0000



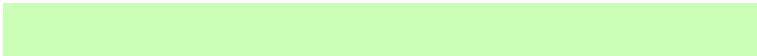
20.3446, 21.4041, 23.3091

Same Dimension

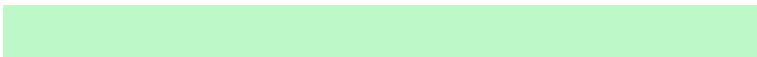
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.1003, 83.8911, 60.1815



68.7975, 87.5874, 57.0230



64.7344, 82.0002, 67.0611



17.5068, 19.5615, 18.3154



19.7979, 37.1245, 6.1223



1.9356, 3.4910, 0.5718

Inverse Universe

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



67.5632, 59.5692, 96.7485



68.1289, 57.5811, 102.1312



71.8381, 61.9813, 87.5379



17.4565, 17.2480, 21.7944



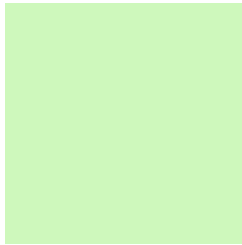
18.6837, 8.5745, 48.6439



1.8374, 0.8493, 4.5103

Previews

White Background



This preview shows how the XYZ color 68.0981, 83.8875, 60.1797 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 68.0981, 83.8875, 60.1797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

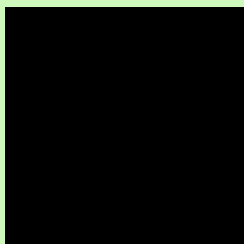
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

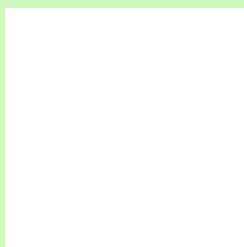
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.0981, 83.8875, 60.1797

Background



This preview shows how black text looks on a background with the XYZ color 68.0981, 83.8875, 60.1797.

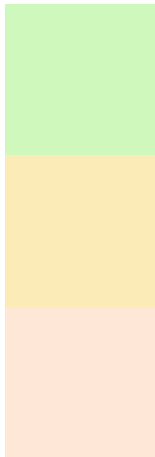


This preview shows how white text looks on a background with the XYZ color 68.0981, 83.8875,

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

68.0981, 83.8875, 60.1797

Protanopia

77.9355, 83.3033, 56.2275

Deuteranopia

82.2106, 83.3697, 76.7247



Tritanopia

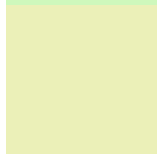
78.1397, 83.5847, 106.6228

Trichromacy



Original Color

68.0981, 83.8875, 60.1797



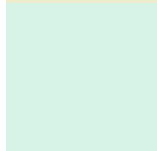
Protanomaly

74.0728, 83.4430, 57.5495



Deuteranomaly

76.3498, 83.0291, 70.3947



Tritanomaly

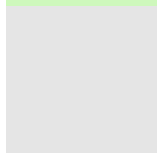
74.2003, 83.7209, 87.8503

Monochromacy



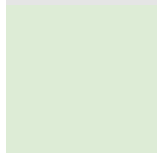
Original Color

68.0981, 83.8875, 60.1797



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.9518, 80.2181, 75.3097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0981, 83.8875, 60.1797 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, 248, 188)` looks like.

```
.text, #text, p{  
    color:rgb(206, 248, 188)  
}
```

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, 248, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 248, 188) }
```

Border

The CSS property to change the border of an element to XYZ 68.0981, 83.8875, 60.1797 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, 248, 188) }
```


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

```
.border{ border-color:rgb(206, 248, 188) }
```

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

Here you see how a box with a 4 pixel rgb(206, 248, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 248, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 248, 188);  
box-shadow:4px 4px 4px 4px rgb(206, 248,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0981, 83.8875, 60.1797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 248, 188) }
```

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

```
.background{ background-color: rgb(206,  
248, 188) }
```

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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