

Converting Colors

XYZ(67.6055, 82.9670, 59.1669)

Have a look what the booklet for
XYZ(67.6055, 82.9670, 59.1669)
contains.

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Color

**XYZ(67.2723, 82.5785,
58.8480)**

Conversions

Conversions Part 1

Format	Color
Hex	CEF6BA
RGB	206, 246, 186
RGB Percent	81%, 96%, 73%
CMY	0.1922, 0.0353, 0.2706
CMYK	0.16, 0.00, 0.24, 0.04
HSL	100°, 77%, 85%
HSV	100°, 24%, 96%
XYZ	67.2723, 82.5785, 58.8480
YIQ	227.2000, -4.5800, -27.1400

Conversions

Conversions Part 2

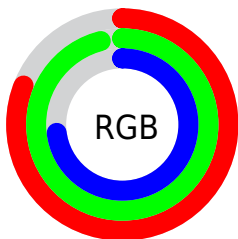
Format	Color
RYB	186, 246, 226
Decimal	13563578
CIELab	92.83, -23.50, 24.72
CIELCh	93, 34.113, 133.548
Yxy	82.5785, 0.3223, 0.3957
Android (android.graphics.Color)	4291753658 (0xFFCEF6BA)
YUV	227.2000, -20.3116, -18.5924
Hunter-Lab	90.8727, -26.8852, 25.2155

Details

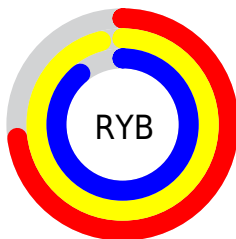
The XYZ color **67.2723, 82.5785, 58.8480** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.5609, 57.9427, 94.9218**, and the grayscale version is **73.3066, 77.1243, 83.9884**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **35.4096, 45.0997, 29.0291** is the 20% darker color. If you saturate the color by 10%, you get **60.5613, 79.3979, 46.0376**, and if you desaturate by 10%, it is **74.9131, 86.1913, 74.0555**.

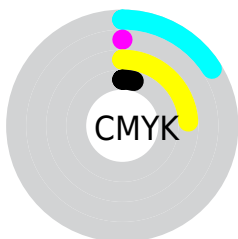
Distribution



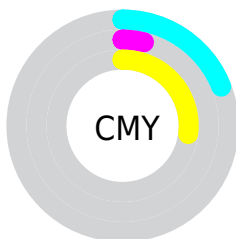
- Red (81%)
- Green (96%)
- Blue (73%)



- Red (73%)
- Yellow (96%)
- Blue (89%)



- Cyan (16%)
- Magenta (0%)
- Yellow (24%)
- Black (4%)



- Cyan (19%)
- Magenta (4%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2723, 82.5785, 58.8480 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 67.2723, 82.5785, 58.8480 by changing the saturation by 10% instead.

67.2723, 82.5785,
58.8480

67.2723, 82.5785,
58.8480

440.3307,
503.5807, 438.0246

49.5775, 61.8425,
42.0716

114.3581,
136.9850, 104.6837

35.2942, 44.9054,
28.8313

144.4799,
171.4242, 134.5800

24.0572, 31.3830,
18.7088

179.4746,
211.2000, 169.6867

15.5010, 20.8906,
11.2854

219.7077,
256.6967, 210.4223

9.2603, 13.0441,
6.1425

265.5445,
308.2987, 257.2053

4.9698, 7.4589,
2.8618

317.3503,

2.2642, 3.7507,

366.3905, 310.4543

1.0245

375.4906,
431.3563, 370.5879

0.7762, 1.5351,
0.0000

0.0000, 0.3133,
0.0000

67.2723, 82.5785,
58.8480

67.2723, 82.5785,
58.8480

60.5613, 79.3979,
46.0376

74.9131, 86.1913,
74.0555

54.7360, 76.6222,
35.4968

83.5125, 90.2413,
91.7681

49.7583, 74.2369,
27.0945

92.2474, 94.3948,
107.9658

45.5844, 72.2227,
20.6837

■ 42.1660, 70.5584,
16.0993

■ 39.4487, 69.2201,
13.1493

■ 37.3687, 68.1799,
11.5988

■ 36.4364, 67.7083,
11.1486

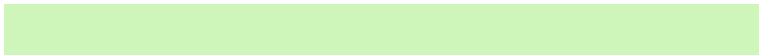
Harmonies

Analogous

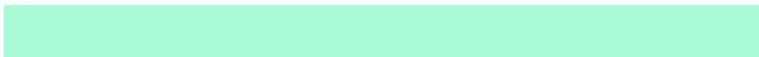
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.5450, 82.5785, 50.1687



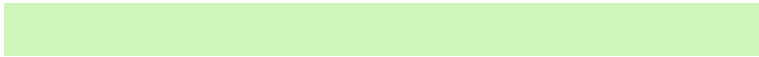
67.2723, 82.5785, 58.8480



63.1849, 82.5785, 76.7282

Triad

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



67.2723, 82.5785, 58.8480



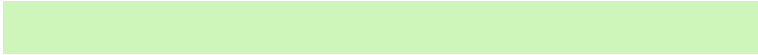
73.7381, 82.5785, 145.6229



96.3398, 82.5785, 78.9082

Complementary

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



67.2723, 82.5785, 58.8480



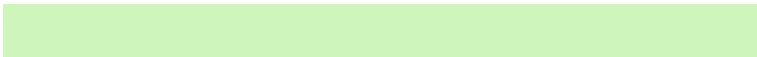
65.5609, 57.9427, 94.9218

Split Complementary

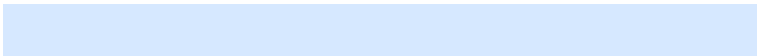
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.0825, 82.5785, 104.5299



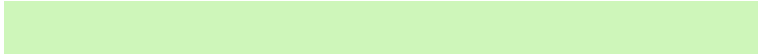
67.2723, 82.5785, 58.8480



82.5684, 82.5785, 146.5118

Square

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



67.2723, 82.5785, 58.8480



66.7202, 82.5785, 128.1091



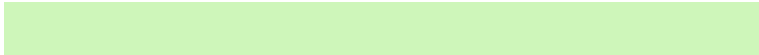
90.8866, 82.5785, 130.3471



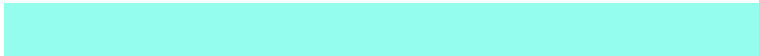
91.5649, 82.5785, 60.1827

Rectangle

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



67.2723, 82.5785, 58.8480



62.6084, 82.5785, 92.9831



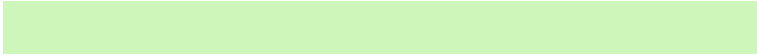
90.8866, 82.5785, 130.3471



96.8493, 82.5785, 86.9131

Sweetspot

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



67.2745, 82.5821, 58.8498



88.0644, 96.7156, 94.2622



74.0686, 77.5342, 57.5174



18.7258, 20.6429, 19.9198



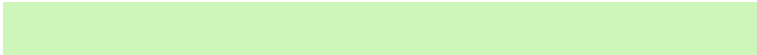
0.0000, 0.0000, 0.0000



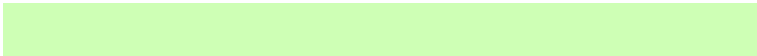
20.3446, 21.4041, 23.3091

Same Dimension

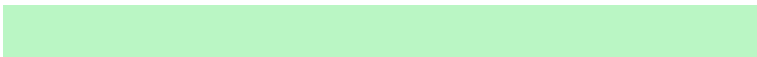
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.2745, 82.5821, 58.8498



69.4752, 87.9368, 57.0547



63.1718, 80.3399, 64.4038



16.8026, 18.7403, 17.5292



19.5798, 36.2066, 5.9566



1.8254, 3.2361, 0.5284

Inverse Universe

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



65.5609, 57.9427, 94.9218



67.3305, 57.1695, 102.0939



70.7083, 60.7690, 87.3635



16.6457, 16.4755, 20.8453



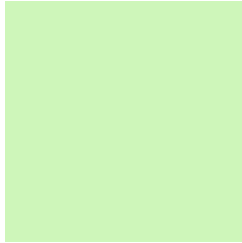
17.2066, 7.8446, 47.1453



1.6209, 0.7455, 4.1487

Previews

White Background



This preview shows how the XYZ color 67.2723, 82.5785, 58.8480 looks on a white background.

Color Contrast Check

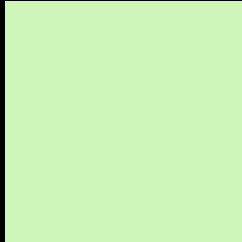
Large Text (above 18pt) WCAG AA × Fail

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 67.2723, 82.5785, 58.8480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

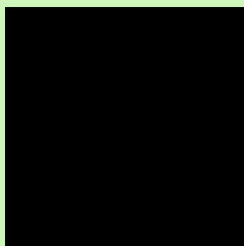
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

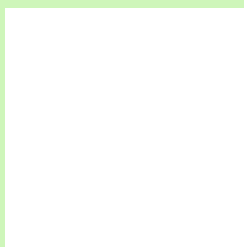
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.2723, 82.5785, 58.8480

Background



This preview shows how black text looks on a background with the XYZ color 67.2723, 82.5785, 58.8480.



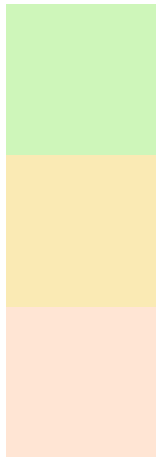
This preview shows how white text looks on a background with the XYZ color 67.2723, 82.5785,

58.8480.

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

67.2723, 82.5785, 58.8480

Protanopia

77.0854, 82.4649, 55.0345

Deuteranopia

81.1430, 82.0521, 73.8483



Tritanopia

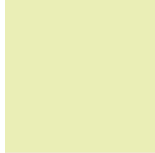
76.9495, 82.5401, 106.4839

Trichromacy



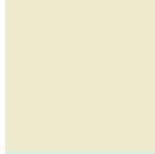
Original Color

67.2723, 82.5785, 58.8480



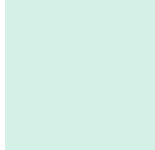
Protanomaly

72.9497, 82.0189, 56.2423



Deuteranomaly

75.4129, 81.7330, 68.3013



Tritanomaly

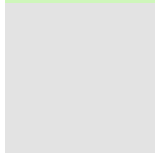
72.8836, 82.1795, 86.8838

Monochromacy



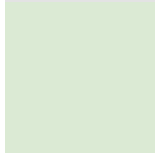
Original Color

67.2723, 82.5785, 58.8480



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.5199, 78.6592, 73.7533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2723, 82.5785, 58.8480 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, 246, 186)` looks like.

```
.text, #text, p{  
    color:rgb(206, 246, 186)  
}
```

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, 246, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 246, 186) }
```

Border

The CSS property to change the border of an element to XYZ 67.2723, 82.5785, 58.8480 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, 246, 186) }
```


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

```
.border{ border-color:rgb(206, 246, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 246, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 246, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 246, 186);  
box-shadow:4px 4px 4px 4px rgb(206, 246,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2723, 82.5785, 58.8480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 246, 186) }
```

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

```
.background{ background-color: rgb(206,  
246, 186) }
```

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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