

Converting Colors

XYZ(68.4685, 82.2610, 80.6759)

Have a look what the booklet for
XYZ(68.4685, 82.2610, 80.6759)
contains.

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Color

**XYZ(68.4685, 82.2610,
80.6759)**

Conversions

Conversions Part 1

Format	Color
Hex	C4F5DD
RGB	196, 245, 221
RGB Percent	77%, 96%, 87%
CMY	0.2314, 0.0392, 0.1333
CMYK	0.20, 0.00, 0.10, 0.04
HSL	151°, 71%, 86%
HSV	151°, 20%, 96%
XYZ	68.4685, 82.2610, 80.6759
YIQ	227.6130, -21.5000, -17.8520

Conversions

Conversions Part 2

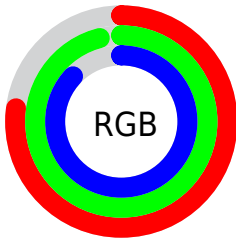
Format	Color
RYB	196, 228, 245
Decimal	12907997
CIELab	92.69, -20.27, 6.42
CIELCh	93, 21.267, 162.433
Yxy	82.2610, 0.2959, 0.3555
Android (android.graphics.Color)	4291098077 (0xFFC4F5DD)
YUV	227.6130, -3.2602, -27.7246
Hunter-Lab	90.6979, -23.9702, 10.7499

Details

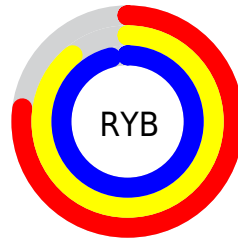
The XYZ color **68.4685, 82.2610, 80.6759** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.3173, 64.0617, 76.3728**, and the grayscale version is **73.4963, 77.3238, 84.2056**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **36.2359, 44.8991, 42.8330** is the 20% darker color. If you saturate the color by 10%, you get **61.0667, 78.6257, 72.2798**, and if you desaturate by 10%, it is **77.0299, 86.4854, 89.7264**.

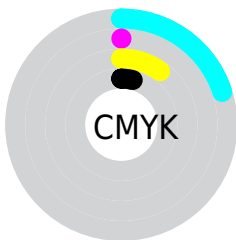
Distribution



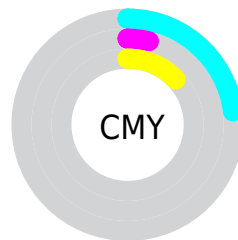
- Red (77%)
- Green (96%)
- Blue (87%)



- Red (77%)
- Yellow (89%)
- Blue (96%)



- Cyan (20%)
- Magenta (0%)
- Yellow (10%)
- Black (4%)



- Cyan (23%)
- Magenta (4%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4685, 82.2610, 80.6759 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 68.4685, 82.2610, 80.6759 by changing the saturation by 10% instead.

68.4685, 82.2610,
80.6759

68.4685, 82.2610,
80.6759

444.5049,
502.5203, 516.9745

50.5540, 61.5807,
59.7453

116.0603,
136.5400, 136.1356

36.0734, 44.6940,
42.7894

146.4684,
170.9074, 171.5017

24.6613, 31.2165,
29.3897

181.7718,
210.6060, 212.5167

15.9523, 20.7637,
19.1277

222.3358,
256.0202, 259.5992

9.5810, 12.9514,
11.5849

268.5257,
307.5343, 313.1677

5.1822, 7.3951,
6.3426

320.7070,

2.3904, 3.7104,

365.5327, 373.6407

2.9824

379.2449,
430.4000, 441.4368

■ 0.8403, 1.5129,
1.0856

■ 0.0000, 0.2978,
0.0000

■ 68.4685, 82.2610,
80.6759

■ 68.4685, 82.2610,
80.6759

■ 61.0667, 78.6257,
72.2798

■ 77.0299, 86.4854,
89.7264

■ 54.7647, 75.5422,
64.5178

■ 86.7932, 91.3137,
99.4402

■ 49.5078, 72.9848,
57.3763

■ 91.9439, 93.7878,
107.8646

■ 45.2335, 70.9216,
50.8391

■ 41.8723, 69.3170,
44.8892

■ 39.3449, 68.1306,
39.5086

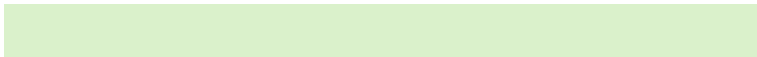
■ 37.5575, 67.3142,
34.6782

■ 36.3552, 66.7884,
30.3754

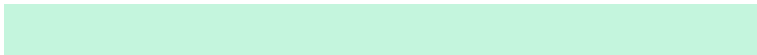
Harmonies

Analogous

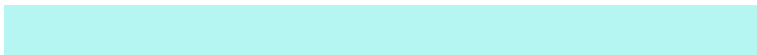
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.2202, 82.2610, 68.8939



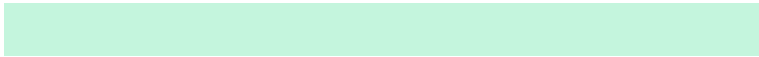
68.4685, 82.2610, 80.6759



68.2428, 82.2610, 96.2950

Triad

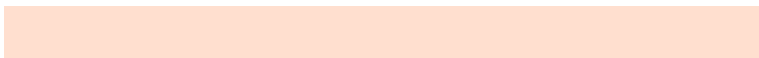
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.4685, 82.2610, 80.6759



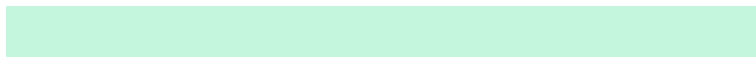
80.5014, 82.2610, 122.7695



86.3116, 82.2610, 70.5284

Complementary

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



68.4685, 82.2610, 80.6759



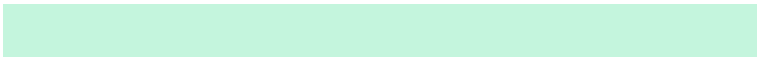
70.3173, 64.0617, 76.3728

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.



89.0523, 82.2610, 83.1623



68.4685, 82.2610, 80.6759



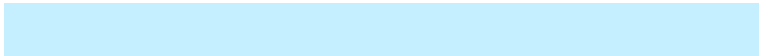
85.5931, 82.2610, 114.0130

Square

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



68.4685, 82.2610, 80.6759



75.0167, 82.2610, 121.8990



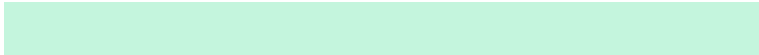
88.7833, 82.2610, 99.0911



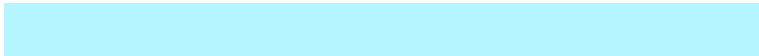
81.4446, 82.2610, 63.5282

Rectangle

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



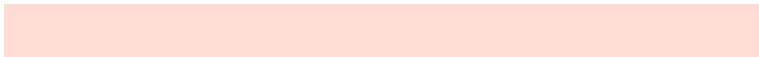
68.4685, 82.2610, 80.6759



69.5397, 82.2610, 106.9380



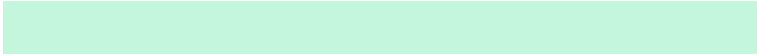
88.7833, 82.2610, 99.0911



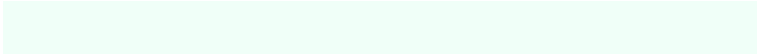
87.5222, 82.2610, 74.1892

Sweetspot

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



68.4708, 82.2644, 80.6777



88.4601, 96.7395, 102.4155



72.2858, 84.5878, 64.7430



18.7868, 20.6334, 21.7735



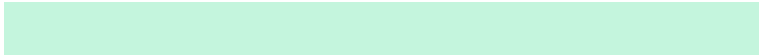
0.0000, 0.0000, 0.0000



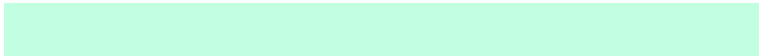
20.3446, 21.4041, 23.3091

Same Dimension

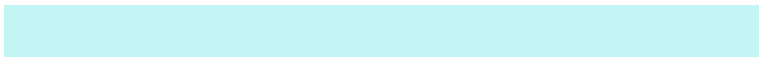
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.4708, 82.2644, 80.6777



71.5505, 88.4004, 84.5420



71.9016, 83.6368, 98.7441



16.6351, 18.6132, 19.3626



19.6546, 36.0067, 16.7329



1.7794, 3.1854, 1.7441

Inverse Universe

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



70.3173, 64.0617, 76.3728



73.9117, 65.1244, 79.0377



67.3624, 62.8798, 60.8124



16.8375, 16.6178, 18.8906



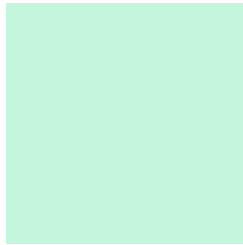
22.1824, 11.2164, 10.9346



2.0014, 1.0065, 1.2337

Previews

White Background



This preview shows how the XYZ color 68.4685, 82.2610, 80.6759 looks on a white background.

Color Contrast Check

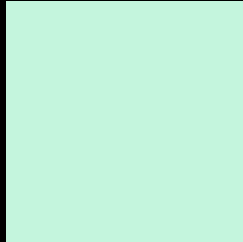
Large Text (above 18pt) WCAG AA × Fail

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 68.4685, 82.2610, 80.6759 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

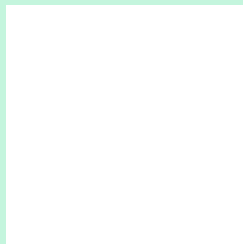
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.4685, 82.2610, 80.6759

Background



This preview shows how black text looks on a background with the XYZ color 68.4685, 82.2610, 80.6759.



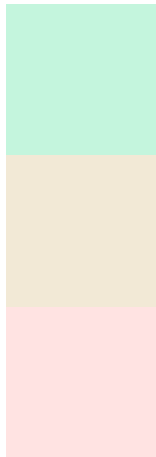
This preview shows how white text looks on a background with the XYZ color 68.4685, 82.2610,

80.6759.

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

68.4685, 82.2610, 80.6759

Protanopia

77.8945, 82.0101, 75.3424

Deuteranopia

82.4366, 81.6892, 83.3742



Tritanopia

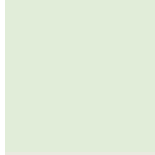
74.9289, 82.3629, 106.5562

Trichromacy



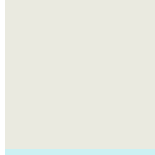
Original Color

68.4685, 82.2610, 80.6759



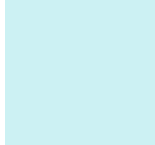
Protanomaly

73.8599, 81.5857, 77.5004



Deuteranomaly

76.8090, 81.7199, 82.2463



Tritanomaly

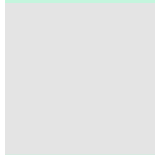
72.5348, 82.2190, 96.8409

Monochromacy



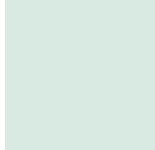
Original Color

68.4685, 82.2610, 80.6759



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.3323, 78.8808, 82.7001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4685, 82.2610, 80.6759 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(196, 245, 221)` looks like.

```
.text, #text, p{  
    color:rgb(196, 245, 221)  
}
```

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(196, 245, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 245, 221) }
```

Border

The CSS property to change the border of an element to XYZ 68.4685, 82.2610, 80.6759 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(196, 245, 221) }
```


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

```
.border{ border-color:rgb(196, 245, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 245, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 245, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 245, 221);  
box-shadow:4px 4px 4px 4px rgb(196, 245,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4685, 82.2610, 80.6759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 245, 221) }
```

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

```
.background{ background-color: rgb(196,  
245, 221) }
```

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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