

Converting Colors

XYZ(63.8367, 80.5505, 70.8900)

Have a look what the booklet for
XYZ(63.8367, 80.5505, 70.8900)
contains.

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Color

**XYZ(63.8635, 80.5581,
70.5758)**

Conversions

Conversions Part 1

Format	Color
Hex	B8F6CE
RGB	184, 246, 206
RGB Percent	72%, 96%, 81%
CMY	0.2784, 0.0353, 0.1921
CMYK	0.25, 0.00, 0.16, 0.04
HSL	141°, 78%, 84%
HSV	141°, 25%, 96%
XYZ	63.8635, 80.5581, 70.5758
YIQ	222.9020, -24.1120, -25.5840

Conversions

Conversions Part 2

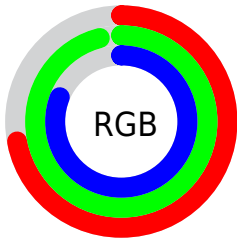
Format	Color
RYB	184, 230, 246
Decimal	12121806
CIELab	91.93, -27.30, 13.01
CIELCh	92, 30.243, 154.524
Yxy	80.5581, 0.2970, 0.3747
Android (android.graphics.Color)	4290311886 (0xFFB8F6CE)
YUV	222.9020, -8.3327, -34.1171
Hunter-Lab	89.7542, -30.0603, 16.2068

Details

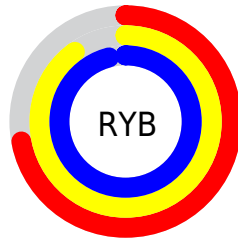
The XYZ color **63.8635, 80.5581, 70.5758** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.6038, 59.2575, 78.3465**, and the grayscale version is **70.1410, 73.7938, 80.3615**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **33.0710, 43.4080, 36.3413** is the 20% darker color. If you saturate the color by 10%, you get **56.6436, 77.0500, 60.6766**, and if you desaturate by 10%, it is **72.3073, 84.6791, 81.5522**.

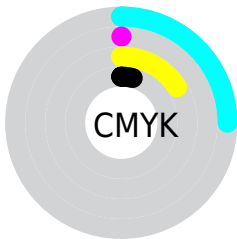
Distribution



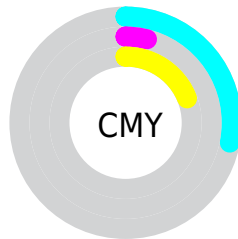
- Red (72%)
- Green (96%)
- Blue (81%)



- Red (72%)
- Yellow (90%)
- Blue (96%)



- Cyan (25%)
- Magenta (0%)
- Yellow (16%)
- Black (4%)





- Cyan (28%)
- Magenta (4%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8635, 80.5581, 70.5758 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 63.8635, 80.5581, 70.5758 by changing the saturation by 10% instead.


 63.8635, 80.5581,
70.5758

 63.8635, 80.5581,
70.5758


428.3066,
496.8117, 481.4128

 46.8014, 60.1777,
51.5164


 109.4892,
134.1501, 121.7183

 33.0860, 43.5619,
36.2402


138.7834,
168.1305, 154.6385

 22.3519, 30.3262,
24.3286


172.8858,
207.4131, 193.0161

 14.2337, 20.0863,
15.3631

212.1616,
252.3822, 237.2695

 8.3662, 12.4578,
8.9252

256.9763,
303.4222, 287.8173

 4.3839, 7.0563,
4.5962

307.6951,

 1.9215, 3.4973,

360.9175, 345.0781

1.9578

364.6834,
425.2525, 409.4704

■ 0.5893, 1.3966,
0.5292

■ 0.0000, 0.2142,
0.0000

■ 63.8635, 80.5581,
70.5758

■ 63.8635, 80.5581,
70.5758

■ 56.6436, 77.0500,
60.6766

■ 72.3073, 84.6791,
81.5522

■ 50.5822, 74.1150,
51.8164

■ 82.0230, 89.4304,
93.6316

■ 45.6176, 71.7244,
43.9625

■ 92.0254, 94.3058,
106.7972

■ 41.6796, 69.8426,
37.0787

■ 92.2473, 94.3946,
107.9658

■ 38.6893, 68.4297,
31.1262

■ 36.5555, 67.4395,
26.0636

■ 35.1671, 66.8157,
21.8459

■ 34.6894, 66.6074,
20.1069

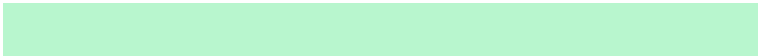
Harmonies

Analogous

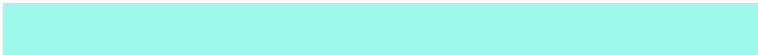
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.4132, 80.5581, 56.9881



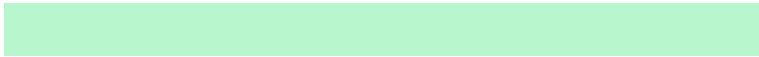
63.8635, 80.5581, 70.5758



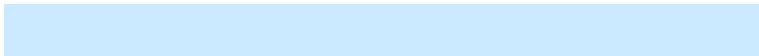
62.6263, 80.5581, 91.1308

Triad

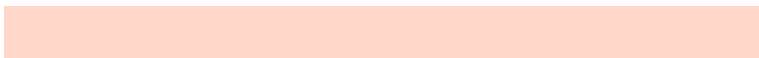
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.8635, 80.5581, 70.5758



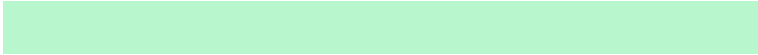
77.7520, 80.5581, 137.6246



89.5410, 80.5581, 65.6410

Complementary

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



63.8635, 80.5581, 70.5758



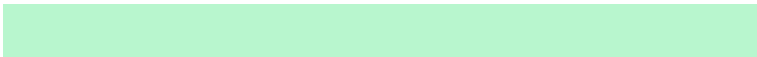
68.6038, 59.2575, 78.3465

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.



92.4390, 80.5581, 84.3838



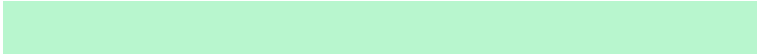
63.8635, 80.5581, 70.5758



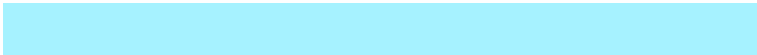
85.3465, 80.5581, 127.8749

Square

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



63.8635, 80.5581, 70.5758



70.3233, 80.5581, 132.2613



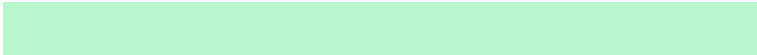
90.8548, 80.5581, 107.4239



83.1720, 80.5581, 54.4949

Rectangle

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



63.8635, 80.5581, 70.5758



63.7707, 80.5581, 106.6889



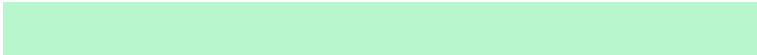
90.8548, 80.5581, 107.4239



90.9723, 80.5581, 71.1340

Sweetspot

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



63.8657, 80.5615, 70.5776



85.8918, 95.5153, 97.7865



72.4439, 85.2712, 57.9892



18.0378, 20.2746, 20.5019



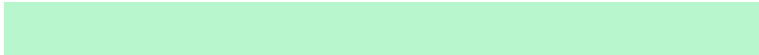
0.0000, 0.0000, 0.0000



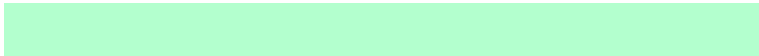
20.3446, 21.4041, 23.3091

Same Dimension

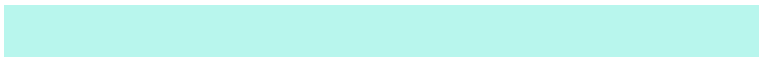
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.8657, 80.5615, 70.5776



65.3324, 85.4832, 71.2225



67.9678, 82.2023, 92.1790



16.5251, 18.5692, 18.7834



18.5754, 35.5750, 11.0497



1.6796, 3.1455, 1.2189

Inverse Universe

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



68.6038, 59.2575, 78.3465



71.2437, 58.8936, 80.9067



64.8081, 57.7392, 58.3581



16.9494, 16.6626, 19.4802



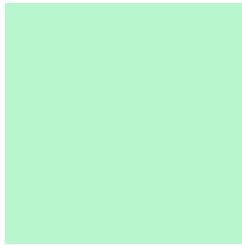
23.6824, 11.8164, 18.8336



2.1302, 1.0581, 1.9121

Previews

White Background



This preview shows how the XYZ color 63.8635, 80.5581, 70.5758 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 63.8635, 80.5581, 70.5758 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

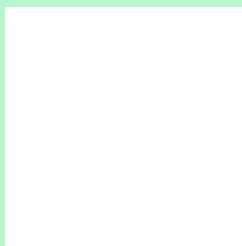
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.8635, 80.5581, 70.5758

Background



This preview shows how black text looks on a background with the XYZ color 63.8635, 80.5581, 70.5758.



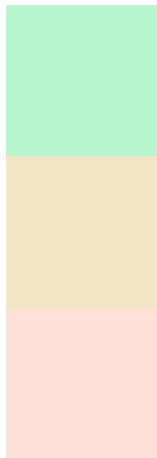
This preview shows how white text looks on a background with the XYZ color 63.8635, 80.5581,

70.5758.

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

63.8635, 80.5581, 70.5758

Protanopia

75.4520, 79.7255, 64.8379

Deuteranopia

80.4310, 80.0167, 75.4956



Tritanopia

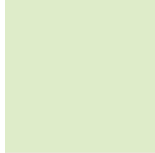
71.9132, 80.3748, 106.3314

Trichromacy



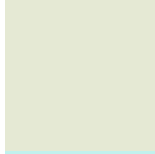
Original Color

63.8635, 80.5581, 70.5758



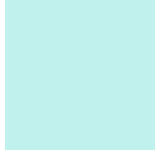
Protanomaly

70.6623, 79.7375, 66.9249



Deuteranomaly

73.3357, 79.6893, 73.8037



Tritanomaly

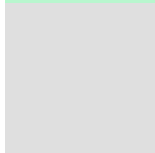
68.7337, 80.3625, 92.0096

Monochromacy



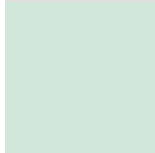
Original Color

63.8635, 80.5581, 70.5758



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.3948, 75.7169, 76.7084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8635, 80.5581, 70.5758 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(184, 246, 206)` looks like.

```
.text, #text, p{  
    color:rgb(184, 246, 206)  
}
```

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(184, 246, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 246, 206) }
```

Border

The CSS property to change the border of an element to XYZ 63.8635, 80.5581, 70.5758 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(184, 246, 206) }
```


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

```
.border{ border-color:rgb(184, 246, 206) }
```

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

Here you see how a box with a 4 pixel rgb(184, 246, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 246, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 246, 206);  
box-shadow:4px 4px 4px 4px rgb(184, 246,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8635, 80.5581, 70.5758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 246, 206) }
```

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

```
.background{ background-color: rgb(184,  
246, 206) }
```

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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