

Converting Colors

XYZ(66.4935, 84.1618, 80.6373)

Have a look what the booklet for
XYZ(66.4935, 84.1618, 80.6373)
contains.

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Color

**XYZ(66.2378, 83.8650,
80.4066)**

Conversions

Conversions Part 1

Format	Color
Hex	B4FBDC
RGB	180, 251, 220
RGB Percent	71%, 98%, 86%
CMY	0.2941, 0.0157, 0.1372
CMYK	0.28, 0.00, 0.12, 0.02
HSL	154°, 90%, 85%
HSV	154°, 28%, 98%
XYZ	66.2378, 83.8650, 80.4066
YIQ	226.2370, -32.3650, -24.6930

Conversions

Conversions Part 2

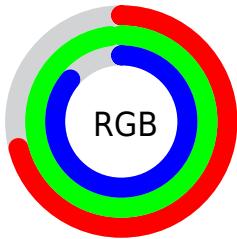
Format	Color
RYB	180, 225, 251
Decimal	11860956
CIELab	93.39, -28.22, 7.83
CIELCh	93, 29.288, 164.492
Yxy	83.8650, 0.2874, 0.3638
Android (android.graphics.Color)	4290051036 (0xFFB4FBDC)
YUV	226.2370, -3.0748, -40.5498
Hunter-Lab	91.5778, -31.1530, 12.0470

Details

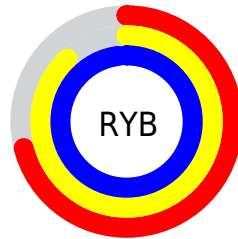
The XYZ color **66.2378, 83.8650, 80.4066** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.8656, 57.8569, 69.2219**, and the grayscale version is **72.5004, 76.2760, 83.0646**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **34.5408, 45.6602, 42.5901** is the 20% darker color. If you saturate the color by 10%, you get **59.5112, 80.5619, 72.7622**, and if you desaturate by 10%, it is **74.1223, 87.7586, 88.6056**.

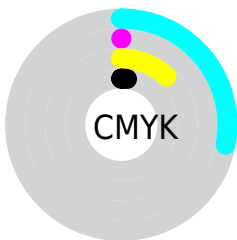
Distribution



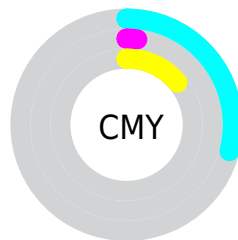
- Red (71%)
- Green (98%)
- Blue (86%)



- Red (71%)
- Yellow (88%)
- Blue (98%)



- Cyan (28%)
- Magenta (0%)
- Yellow (12%)
- Black (2%)




- Cyan (29%)
- Magenta (2%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.2378, 83.8650, 80.4066 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 66.2378, 83.8650, 80.4066 by changing the saturation by 10% instead.


 66.2378, 83.8650,
80.4066

 66.2378, 83.8650,
80.4066


436.7021,
507.8648, 516.0449

 48.7339, 62.9040,
59.5249


 112.8834,
138.7863, 135.7538

 34.6221, 45.7635,
42.6130


142.7558,
173.5154, 171.0563

 23.5371, 32.0593,
29.2524


177.4818,
213.6026, 212.0029

 15.1134, 21.4068,
19.0246

217.4266,
259.4324, 259.0120

 8.9859, 13.4217,
11.5111

262.9557,
311.3891, 312.5022

 4.7890, 7.7195,
6.2932


314.4344,


 2.1575, 3.9160,


369.8572, 372.8921


2.9525


372.2281,
435.2209, 440.6001


 0.7202, 1.6267,
1.0705

 0.0000, 0.3755,
0.0000


 66.2378, 83.8650,
80.4066


 66.2378, 83.8650,
80.4066


 59.5112, 80.5619,
72.7622


 74.1223, 87.7586,
88.6056


 53.8767, 77.8086,
65.6546

 83.2123, 92.2602,
97.3652

 49.2720, 75.5757,
59.0728

 93.4496, 97.3418,
106.6935

 45.6258, 73.8266,
53.0036

 93.7888, 97.4775,
108.4796

■ 42.8570, 72.5196,
47.4326

■ 40.8697, 71.6057,
42.3448

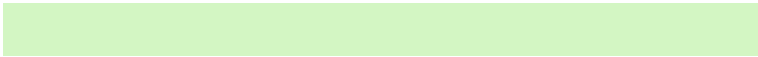
■ 39.5319, 71.0170,
37.7228

■ 39.3367, 70.9327,
36.9757

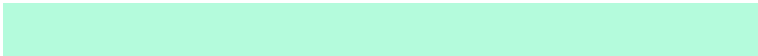
Harmonies

Analogous

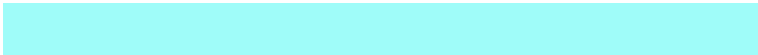
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.7481, 83.8650, 64.2065



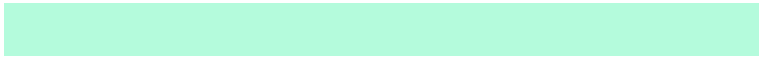
66.2378, 83.8650, 80.4066



66.1776, 83.8650, 102.3794

Triad

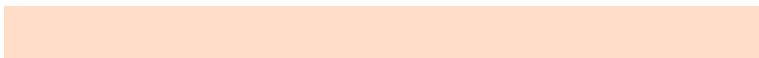
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.2378, 83.8650, 80.4066



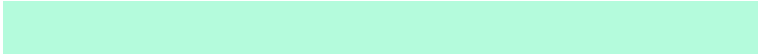
83.4864, 83.8650, 139.0036



90.7834, 83.8650, 64.6289

Complementary

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



66.2378, 83.8650, 80.4066



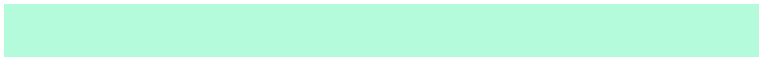
67.8656, 57.8569, 69.2219

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.



94.9744, 83.8650, 81.0775



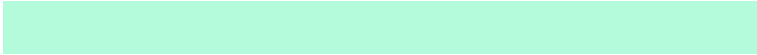
66.2378, 83.8650, 80.4066



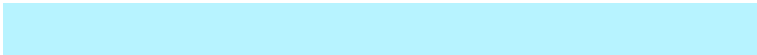
90.5806, 83.8650, 125.1460

Square

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



66.2378, 83.8650, 80.4066



75.8053, 83.8650, 138.7456



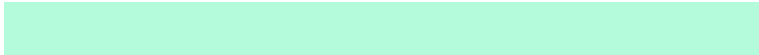
94.8979, 83.8650, 103.1673



83.7489, 83.8650, 56.1512

Rectangle

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



66.2378, 83.8650, 80.4066



68.0848, 83.8650, 117.5854



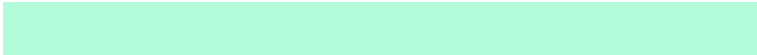
94.8979, 83.8650, 103.1673



92.5911, 83.8650, 69.2809

Sweetspot

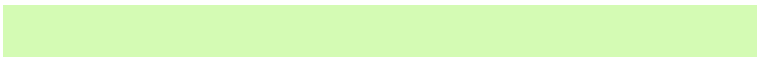
The Sweet Spot groups the original color and five complimentary colors.



66.2401, 83.8685, 80.4085



86.5378, 95.7737, 101.1883



69.8751, 86.2830, 56.1525



18.2002, 20.3396, 21.3572



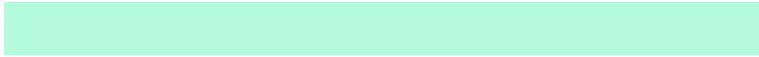
0.0000, 0.0000, 0.0000



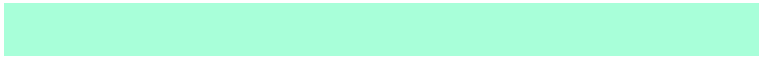
20.3446, 21.4041, 23.3091

Same Dimension

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



66.2401, 83.8685, 80.4085



64.5154, 84.8950, 78.7292



69.6363, 83.4690, 103.7119



17.4270, 19.4731, 20.4489



20.7505, 37.3132, 19.8275



1.9751, 3.4771, 2.1168

Inverse Universe

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



67.8656, 57.8569, 69.2219



66.4578, 53.8400, 65.3821



65.0715, 57.9007, 50.9274



17.5594, 17.3511, 19.5354



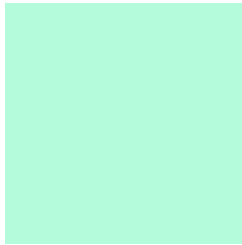
22.4500, 11.3957, 9.0780



2.1314, 1.0763, 1.1156

Previews

White Background



This preview shows how the XYZ color 66.2378, 83.8650, 80.4066 looks on a white background.

Color Contrast Check

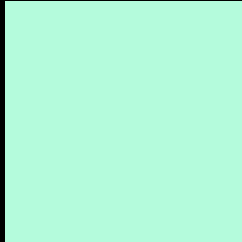
Large Text (above 18pt) WCAG AA × Fail

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 66.2378, 83.8650, 80.4066 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

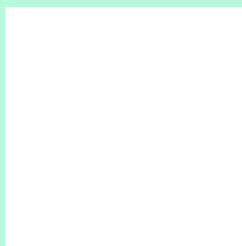
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.2378, 83.8650, 80.4066

Background



This preview shows how black text looks on a background with the XYZ color 66.2378, 83.8650, 80.4066.



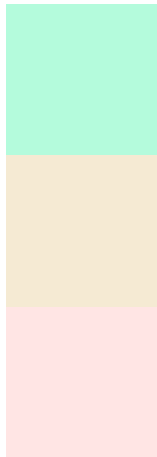
This preview shows how white text looks on a background with the XYZ color 66.2378, 83.8650,

80.4066.

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

66.2378, 83.8650, 80.4066

Protanopia

78.8369, 82.9613, 73.4860

Deuteranopia

83.2629, 82.9001, 85.0117



Tritanopia

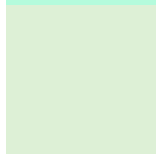
75.2557, 83.8461, 106.8253

Trichromacy



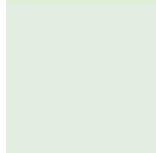
Original Color

66.2378, 83.8650, 80.4066



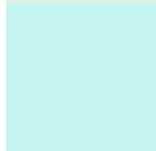
Protanomaly

73.1165, 82.5474, 75.6979



Deuteranomaly

75.8697, 82.4986, 83.1592



Tritanomaly

71.7054, 83.5859, 96.3588

Monochromacy



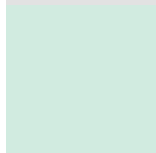
Original Color

66.2378, 83.8650, 80.4066



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.4574, 78.3538, 81.9840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.2378, 83.8650, 80.4066 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(180, 251, 220)` looks like.

```
.text, #text, p{  
    color:rgb(180, 251, 220)  
}
```

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(180, 251, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 251, 220) }
```

Border

The CSS property to change the border of an element to XYZ 66.2378, 83.8650, 80.4066 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(180, 251, 220) }
```


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

```
.border{ border-color:rgb(180, 251, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 251, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 251, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 251, 220);  
box-shadow:4px 4px 4px 4px rgb(180, 251,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 66.2378, 83.8650, 80.4066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 251, 220) }
```

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

```
.background{ background-color: rgb(180,  
251, 220) }
```

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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