

Converting Colors

XYZ(66.1758, 83.3701, 80.3865)

Have a look what the booklet for
XYZ(66.1758, 83.3701, 80.3865)
contains.

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Color

**XYZ(66.1599, 83.3623,
80.3137)**

Conversions

Conversions Part 1

Format	Color
Hex	B5FADC
RGB	181, 250, 220
RGB Percent	71%, 98%, 86%
CMY	0.2902, 0.0196, 0.1372
CMYK	0.28, 0.00, 0.12, 0.02
HSL	154°, 87%, 85%
HSV	154°, 28%, 98%
XYZ	66.1599, 83.3623, 80.3137
YIQ	225.9490, -31.4940, -23.9580

Conversions

Conversions Part 2

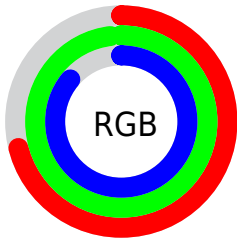
Format	Color
RYB	181, 225, 250
Decimal	11926236
CIELab	93.17, -27.45, 7.52
CIELCh	93, 28.464, 164.675
Yxy	83.3623, 0.2879, 0.3627
Android (android.graphics.Color)	4290116316 (0xFFB5FADC)
YUV	225.9490, -2.9329, -39.4203
Hunter-Lab	91.3030, -30.4356, 11.7582

Details

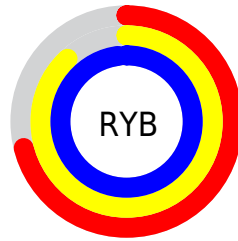
The XYZ color **66.1599, 83.3623, 80.3137** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.7089, 58.0769, 69.2727**, and the grayscale version is **72.2906, 76.0553, 82.8242**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **34.4657, 45.2922, 42.5230** is the 20% darker color. If you saturate the color by 10%, you get **59.4227, 80.0524, 72.7268**, and if you desaturate by 10%, it is **74.0472, 87.2588, 88.4468**.

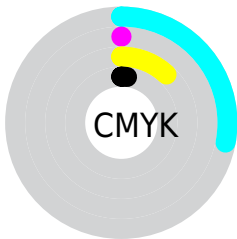
Distribution



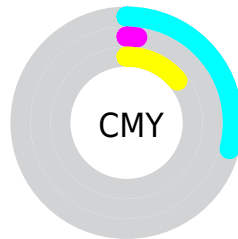
- Red (71%)
- Green (98%)
- Blue (86%)



- 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 66.1599, 83.3623, 80.3137 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 66.1599, 83.3623, 80.3137 by changing the saturation by 10% instead.


 66.1599, 83.3623,
80.3137

 66.1599, 83.3623,
80.3137


436.4281,
506.1932, 515.7240

 48.6704, 62.4891,
59.4488


 112.7723,
138.0828, 135.6221

 34.5715, 45.4280,
42.5522


142.6258,
172.6988, 170.9027

 23.4980, 31.7947,
29.2051


177.3315,
212.6646, 211.8256

 15.0844, 21.2047,
18.9891

217.2545,
258.3645, 258.8094

 8.9653, 13.2737,
11.4857

262.7604,
310.1829, 312.2726

 4.7755, 7.6173,
6.2762


314.2144,


 2.1495, 3.8511,


368.5042, 372.6337


2.9423


371.9818,
433.7128, 440.3114


 0.7159, 1.5906,
1.0652


 0.0000, 0.3513,
0.0000


 66.1599, 83.3623,
80.3137


 66.1599, 83.3623,
80.3137


 59.4227, 80.0524,
72.7268


 74.0472, 87.2588,
88.4468


 53.7706, 77.2890,
65.6684

 83.1315, 91.7591,
97.1318

 49.1426, 75.0431,
59.1280

 93.0952, 96.7016,
106.3644

 45.4686, 73.2789,
53.0925

 93.4772, 96.8543,
108.3757

■ 42.6689, 71.9554,
47.5481

■ 40.6501, 71.0248,
42.4800

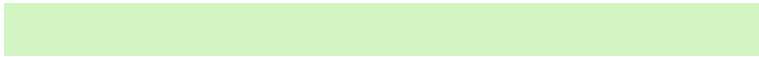
■ 39.2893, 70.4239,
37.8715

■ 39.0173, 70.3064,
36.8309

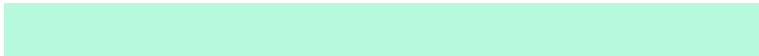
Harmonies

Analogous

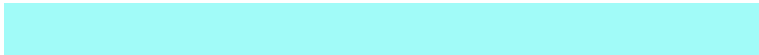
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.5483, 83.3623, 64.5219



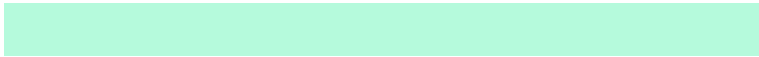
66.1599, 83.3623, 80.3137



66.1225, 83.3623, 101.6039

Triad

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



66.1599, 83.3623, 80.3137



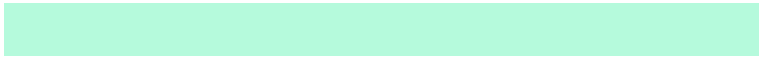
82.9319, 83.3623, 136.7126



89.9036, 83.3623, 64.7852

Complementary

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



66.1599, 83.3623, 80.3137



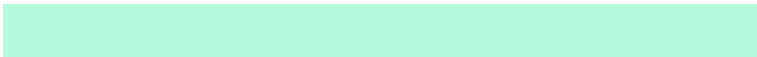
67.7089, 58.0769, 69.2727

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.



93.9720, 83.3623, 80.7301



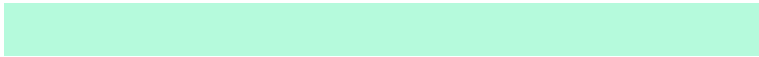
66.1599, 83.3623, 80.3137



89.7783, 83.3623, 123.3103

Square

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



66.1599, 83.3623, 80.3137



75.4938, 83.3623, 136.5539



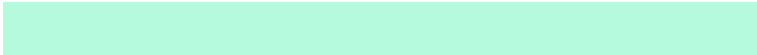
93.9247, 83.3623, 102.0909



83.0944, 83.3623, 56.5645

Rectangle

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



66.1599, 83.3623, 80.3137



67.9875, 83.3623, 116.2673



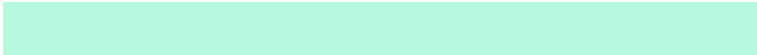
93.9247, 83.3623, 102.0909



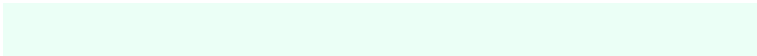
91.6556, 83.3623, 69.2983

Sweetspot

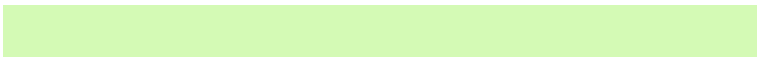
The Sweet Spot groups the original color and five complimentary colors.



66.1622, 83.3657, 80.3156



86.5435, 95.7760, 101.2186



69.6946, 85.7156, 56.5886



18.2016, 20.3402, 21.3648



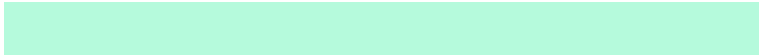
0.0000, 0.0000, 0.0000



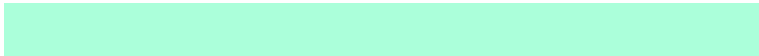
20.3446, 21.4041, 23.3091

Same Dimension

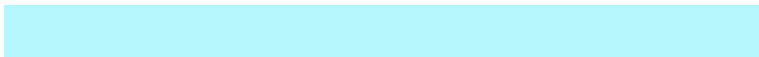
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.1622, 83.3657, 80.3156



65.2307, 85.2446, 79.6278



69.4374, 82.9760, 102.8028



17.4283, 19.4736, 20.4562



20.7687, 37.3205, 19.9230



1.9768, 3.4778, 2.1255

Inverse Universe

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



67.7089, 58.0769, 69.2727



67.0908, 54.8557, 66.3655



65.0014, 58.1303, 51.5115



17.5580, 17.3506, 19.5282



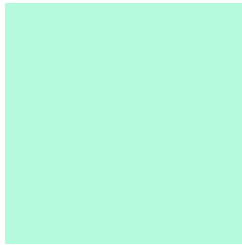
22.4367, 11.3904, 9.0083



2.1302, 1.0758, 1.1088

Previews

White Background



This preview shows how the XYZ color 66.1599, 83.3623, 80.3137 looks on a white background.

Color Contrast Check

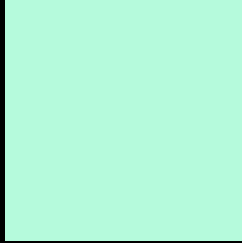
Large Text (above 18pt) WCAG AA × Fail

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 66.1599, 83.3623, 80.3137 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

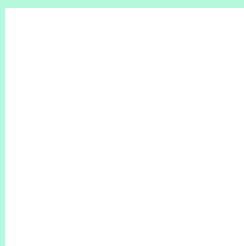
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.1599, 83.3623, 80.3137

Background



This preview shows how black text looks on a background with the XYZ color 66.1599, 83.3623, 80.3137.

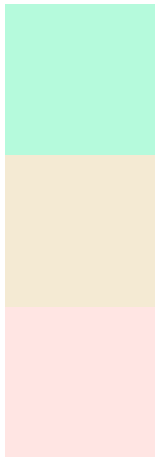


This preview shows how white text looks on a background with the XYZ color 66.1599, 83.3623,

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

66.1599, 83.3623, 80.3137

Protanopia

78.4889, 82.7819, 73.4697

Deuteranopia

83.1244, 82.8447, 84.2825



Tritanopia

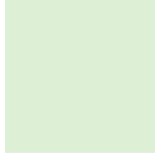
74.6821, 83.1097, 106.7134

Trichromacy



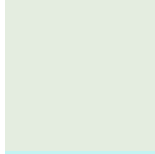
Original Color

66.1599, 83.3623, 80.3137



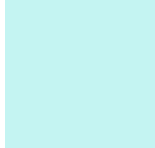
Protanomaly

73.1165, 82.5474, 75.6979



Deuteranomaly

75.7336, 82.4442, 82.4427



Tritanomaly

71.1426, 82.8479, 96.2460

Monochromacy



Original Color

66.1599, 83.3623, 80.3137



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.7412, 78.5001, 81.9973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1599, 83.3623, 80.3137 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(181, 250, 220)` looks like.

```
.text, #text, p{  
    color:rgb(181, 250, 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(181, 250, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 250, 220) }
```

Border

The CSS property to change the border of an element to XYZ 66.1599, 83.3623, 80.3137 is called "border". The border property can be set on classes, ids or directly on the HTML element.

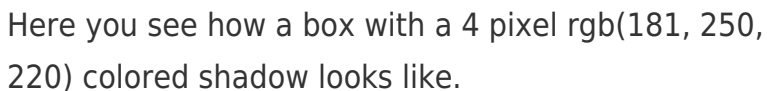
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 250, 220) }
```


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

```
.border{ border-color:rgb(181, 250, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 250, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 250, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 250, 220);  
box-shadow:4px 4px 4px 4px rgb(181, 250,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1599, 83.3623, 80.3137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 250, 220) }
```

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

```
.background{ background-color: rgb(181,  
250, 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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