

Converting Colors

XYZ(73.1347, 100.0000,
71.3080)

Have a look what the booklet for
XYZ(73.1347, 100.0000, 71.3080)
contains.

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Color

**XYZ(66.1878, 85.9746,
68.9834)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | B8FFCA |
| RGB | 184, 255, 202 |
| RGB Percent | 72%, 100%, 79% |
| CMY | 0.2784, 0.0000, 0.2078 |
| CMYK | 0.28, 0.00, 0.21, 0.00 |
| HSL | 135°, 100%, 86% |
| HSV | 135°, 28%, 100% |
| XYZ | 66.1878, 85.9746, 68.9834 |
| YIQ | 227.7290, -25.3030, -31.5350 |

Conversions

Conversions Part 2

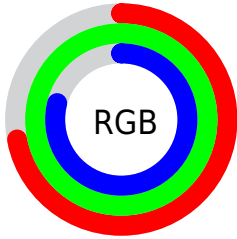
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 184, 241, 255 |
| Decimal | 12124106 |
| CIELab | 94.30, -32.25, 18.40 |
| CIElCh | 94, 37.134, 150.296 |
| Yxy | 85.9746, 0.2993, 0.3888 |
| Android (android.graphics.Color) | 4290314186 (0xFFB8FFCA) |
| YUV | 227.7290, -12.6844, -38.3503 |
| Hunter-Lab | 92.7225, -34.8463, 20.7953 |

Details

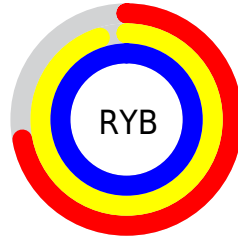
The XYZ color **66.1878, 85.9746, 68.9834** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.6668, 61.6560, 88.1384**, and the grayscale version is **73.6474, 77.4828, 84.3787**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **34.5926, 47.1934, 35.3030** is the 20% darker color. If you saturate the color by 10%, you get **58.5033, 82.2576, 57.5758**, and if you desaturate by 10%, it is **75.2527, 90.3710, 81.9096**.

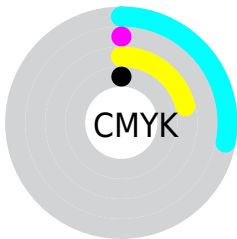
Distribution



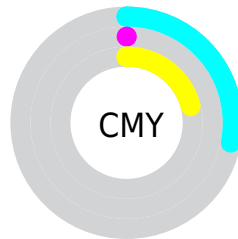
- Red (72%)
- Green (100%)
- Blue (79%)



- Red (72%)
- Yellow (95%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.1878, 85.9746, 68.9834 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 66.1878, 85.9746, 68.9834 by changing the saturation by 10% instead.


 66.1878, 85.9746,
68.9834

 66.1878, 85.9746,
68.9834


436.5263,
514.8475, 475.6648

 48.6931, 64.6470,
50.2265


 112.8121,
141.7340, 119.4253

 34.5896, 47.1749,
35.2210


142.6724,
176.9346, 151.9475

 23.5120, 33.1739,
23.5482


177.3853,
217.5284, 189.8951

 15.0948, 22.2597,
14.7897

217.3162,
263.8996, 233.6868

 8.9727, 14.0479,
8.5270

262.8303,
316.4327, 283.7411

 4.7803, 8.1540,
4.3414

314.2932,

 2.1524, 4.1936,

375.5121, 340.4765

1.8144

372.0700,
441.5223, 404.3115

0.7175, 1.7825,
0.4375

0.0000, 0.4762,
0.0000

66.1878, 85.9746,
68.9834

66.1878, 85.9746,
68.9834

58.5033, 82.2576,
57.5758

75.2527, 90.3710,
81.9096

52.1278, 79.1846,
47.6267

85.7603, 95.4780,
96.4031

46.9868, 76.7182,
39.0783

95.0500, 100.0000,
108.9000

42.9969, 74.8167,
31.8672

■ 40.0639, 73.4332,
25.9249

■ 38.0780, 72.5125,
21.1770

■ 36.8956, 71.9822,
17.5403

■ 36.7041, 71.8976,
16.8914

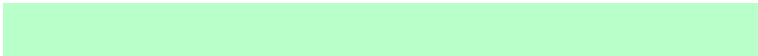
Harmonies

Analogous

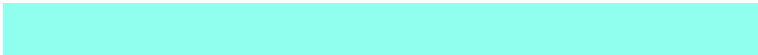
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.4327, 85.9746, 53.7982



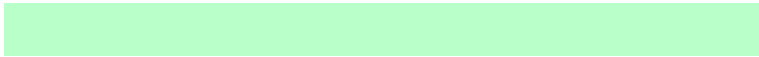
66.1878, 85.9746, 68.9834



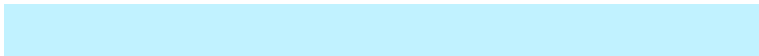
64.0258, 85.9746, 93.8951

Triad

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



66.1878, 85.9746, 68.9834



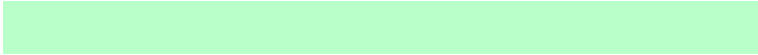
81.8152, 85.9746, 159.8515



99.3887, 85.9746, 68.5841

Complementary

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



66.1878, 85.9746, 68.9834



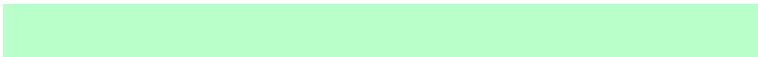
73.6668, 61.6560, 88.1384

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.



102.3977, 85.9746, 93.3289



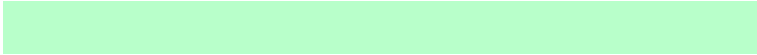
66.1878, 85.9746, 68.9834



91.7610, 85.9746, 149.3905

Square

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



66.1878, 85.9746, 68.9834



72.5908, 85.9746, 149.7774



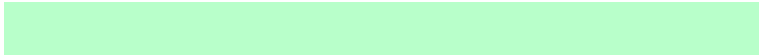
99.5013, 85.9746, 123.4983



91.5761, 85.9746, 53.6027

Rectangle

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



66.1878, 85.9746, 68.9834



65.0412, 85.9746, 113.9500



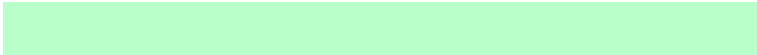
99.5013, 85.9746, 123.4983



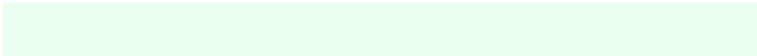
101.0225, 85.9746, 75.8500

Sweetspot

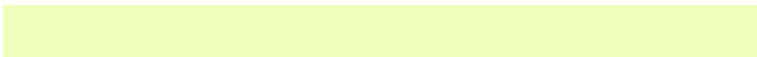
The Sweet Spot groups the original color and five complimentary colors.



66.1885, 85.9749, 68.9848



85.5834, 95.3919, 96.1625



79.4206, 93.0284, 59.1186



17.9605, 20.2437, 20.0949



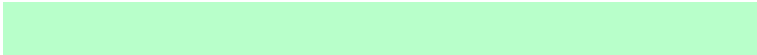
0.0000, 0.0000, 0.0000



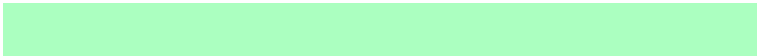
20.3446, 21.4041, 23.3091

Same Dimension

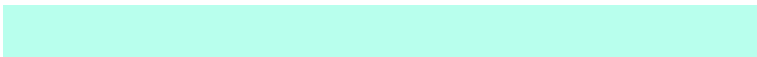
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.1885, 85.9749, 68.9848



62.0569, 83.9751, 62.9148



70.8502, 87.8396, 93.5332



17.9605, 20.2437, 20.0949



19.2290, 37.5882, 9.0912



1.9141, 3.6766, 1.1054

Inverse Universe

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



73.6668, 61.6560, 88.1384



70.5778, 56.2505, 84.7274



69.0120, 59.7941, 63.6268



18.5844, 18.2171, 21.6943



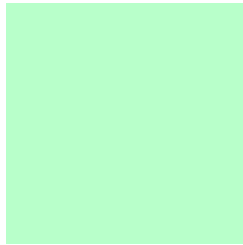
26.4887, 13.0848, 27.0214



2.6231, 1.2916, 2.8629

Previews

White Background



This preview shows how the XYZ color 66.1878, 85.9746, 68.9834 looks on a white background.

Color Contrast Check

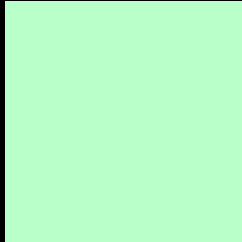
Large Text (above 18pt) WCAG AA × Fail

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 66.1878, 85.9746, 68.9834 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

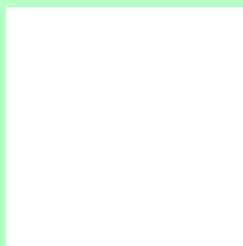
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.1878, 85.9746, 68.9834

Background



This preview shows how black text looks on a background with the XYZ color 66.1878, 85.9746, 68.9834.

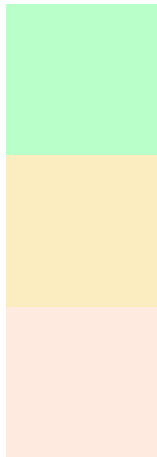


This preview shows how white text looks on a background with the XYZ color 66.1878, 85.9746,

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

66.1878, 85.9746, 68.9834

Protanopia

80.0547, 85.1141, 62.6614

Deuteranopia

84.1174, 85.4875, 82.5883



Tritanopia

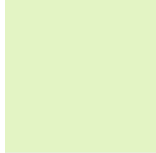
77.8321, 85.6173, 107.0313

Trichromacy



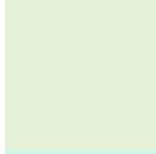
Original Color

66.1878, 85.9746, 68.9834



Protanomaly

73.9930, 85.0178, 64.7348



Deuteranomaly

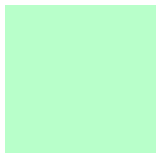
76.4599, 85.1201, 77.3657



Tritanomaly

73.0297, 85.2742, 91.9674

Monochromacy



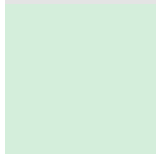
Original Color

66.1878, 85.9746, 68.9834



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.5121, 80.2606, 78.7933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1878, 85.9746, 68.9834 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, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 202)  
}
```

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, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 202) }
```

Border

The CSS property to change the border of an element to XYZ 66.1878, 85.9746, 68.9834 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, 255, 202) }
```


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

```
.border{ border-color:rgb(184, 255, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(184, 255, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(184, 255, 202); box-shadow:4px 4px 4px 4px rgb(184, 255, 202) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1878, 85.9746, 68.9834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 255, 202) }
```

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

```
.background{ background-color: rgb(184,  
255, 202) }
```

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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