

Converting Colors

XYZ(66.4084, 85.9140, 76.8683)

Have a look what the booklet for
XYZ(66.4084, 85.9140, 76.8683)
contains.

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Color

**XYZ(66.4880, 85.9587,
76.7057)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FFD6
RGB	179, 255, 214
RGB Percent	70%, 100%, 84%
CMY	0.2980, 0.0000, 0.1608
CMYK	0.30, 0.00, 0.16, 0.00
HSL	148°, 100%, 85%
HSV	148°, 30%, 100%
XYZ	66.4880, 85.9587, 76.7057
YIQ	227.6020, -32.1350, -28.8630

Conversions

Conversions Part 2

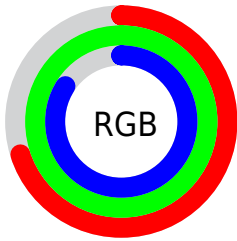
Format	Color
RYB	179, 231, 255
Decimal	11796438
CIELab	94.29, -31.56, 12.20
CIELCh	94, 33.834, 158.856
Yxy	85.9587, 0.2901, 0.3751
Android (android.graphics.Color)	4289986518 (0xFFB3FFD6)
YUV	227.6020, -6.7058, -42.6240
Hunter-Lab	92.7139, -34.2415, 15.8469

Details

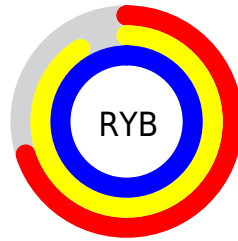
The XYZ color **66.4880, 85.9587, 76.7057** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.2788, 58.6684, 75.3304**, and the grayscale version is **73.5161, 77.3446, 84.2283**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **34.7643, 47.1765, 40.0746** is the 20% darker color. If you saturate the color by 10%, you get **59.4459, 82.5229, 67.5896**, and if you desaturate by 10%, it is **74.7698, 90.0165, 86.6571**.

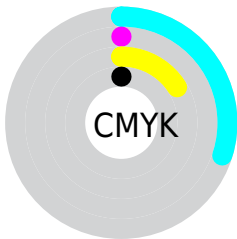
Distribution



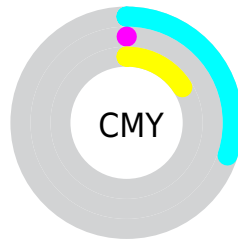
- Red (70%)
- Green (100%)
- Blue (84%)



- Red (70%)
- Yellow (91%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.4880, 85.9587, 76.7057 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 66.4880, 85.9587, 76.7057 by changing the saturation by 10% instead.


 66.4880, 85.9587,
76.7057

 66.4880, 85.9587,
76.7057


437.5813,
514.7950, 503.1710

 48.9378, 64.6338,
56.5012


 113.2403,
141.7119, 130.4932

 34.7845, 47.1642,
40.1983


143.1732,
176.9089, 164.9133

 23.6626, 33.1655,
27.3782


177.9643,
217.4988, 204.9090

 15.2069, 22.2533,
17.6225

217.9790,
263.8660, 250.8989

 9.0520, 14.0431,
10.5127

263.5827,
316.3948, 303.3015

 4.8325, 8.1507,
5.6302

315.1408,

 2.1831, 4.1915,

375.4696, 362.5354

2.5564

373.0185,
441.4749, 429.0190

■ 0.7338, 1.7813,
0.8698

■ 0.0000, 0.4754,
0.0000

■ 66.4880, 85.9587,
76.7057

■ 66.4880, 85.9587,
76.7057

■ 59.4459, 82.5229,
67.5896

■ 74.7698, 90.0165,
86.6571

■ 53.5775, 79.6754,
59.2827

■ 84.3480, 94.7250,
97.4608

■ 48.8136, 77.3810,
51.7632

95.0500, 100.0000,
108.9000

■ 45.0767, 75.6003,
45.0068

■ 42.2785, 74.2881,
38.9880

■ 40.3143, 73.3909,
33.6791

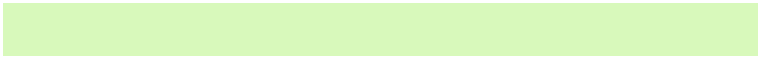
■ 39.0190, 72.8243,
29.0486

■ 38.9966, 72.8147,
28.9639

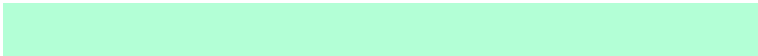
Harmonies

Analogous

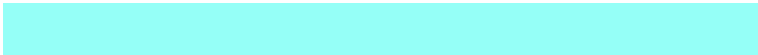
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.2391, 85.9587, 59.8325



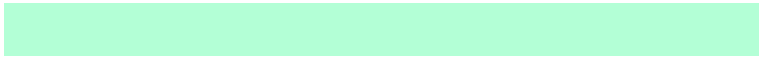
66.4880, 85.9587, 76.7057



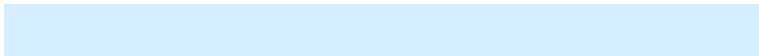
65.6491, 85.9587, 101.4976

Triad

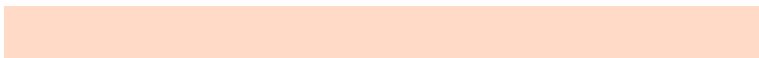
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.4880, 85.9587, 76.7057



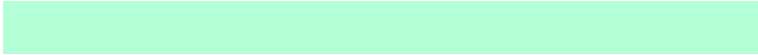
84.4160, 85.9587, 152.1422



96.0517, 85.9587, 65.6215

Complementary

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



66.4880, 85.9587, 76.7057



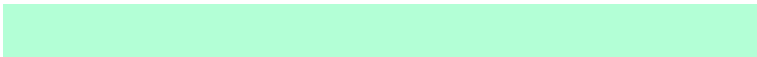
70.2788, 58.6684, 75.3304

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.



100.1772, 85.9587, 86.1125



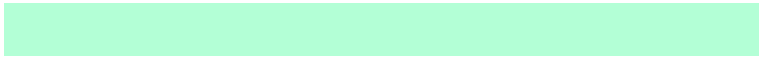
66.4880, 85.9587, 76.7057



93.1404, 85.9587, 138.1365

Square

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



66.4880, 85.9587, 76.7057



75.5691, 85.9587, 148.3476



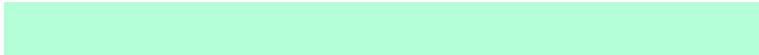
99.0741, 85.9587, 112.7962



88.1563, 85.9587, 54.3049

Rectangle

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



66.4880, 85.9587, 76.7057



67.3559, 85.9587, 119.8333



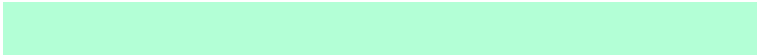
99.0741, 85.9587, 112.7962



97.9510, 85.9587, 71.4959

Sweetspot

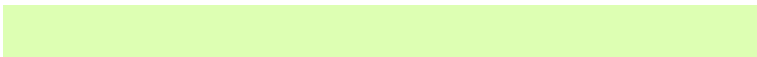
The Sweet Spot groups the original color and five complimentary colors.



66.4888, 85.9591, 76.7071



85.1752, 95.1323, 98.3661



73.6551, 90.1157, 56.1610



17.9116, 20.2050, 20.7042



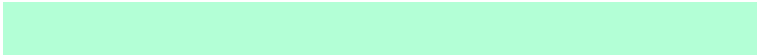
0.0000, 0.0000, 0.0000



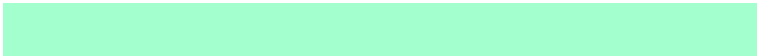
20.3446, 21.4041, 23.3091

Same Dimension

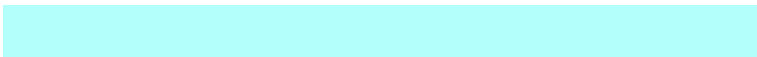
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.4888, 85.9591, 76.7071



61.9824, 83.7585, 70.9603



71.7951, 88.0816, 104.6497



18.1195, 20.3073, 20.9325



20.4500, 38.0766, 15.5211



2.0456, 3.7292, 1.7978

Inverse Universe

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



70.2788, 58.6684, 75.3304



66.3478, 52.3155, 69.3674



65.8872, 56.9118, 52.2043



18.4192, 18.1510, 20.8245



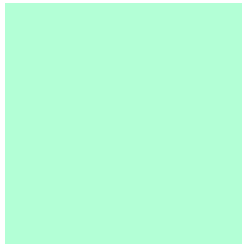
24.0056, 12.0915, 13.9460



2.3925, 1.1994, 1.6485

Previews

White Background



This preview shows how the XYZ color 66.4880, 85.9587, 76.7057 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 66.4880, 85.9587, 76.7057 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

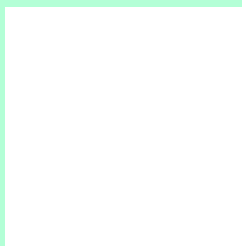
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.4880, 85.9587, 76.7057

Background



This preview shows how black text looks on a background with the XYZ color 66.4880, 85.9587, 76.7057.



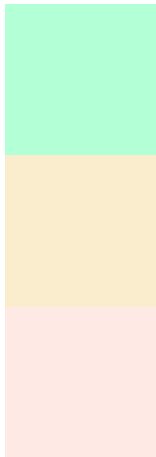
This preview shows how white text looks on a background with the XYZ color 66.4880, 85.9587,

76.7057.

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

66.4880, 85.9587, 76.7057

Protanopia

80.3706, 85.1159, 69.9506

Deuteranopia

84.3825, 85.1393, 85.3849



Tritanopia

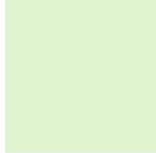
77.2520, 85.3182, 107.0042

Trichromacy



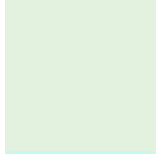
Original Color

66.4880, 85.9587, 76.7057



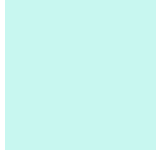
Protanomaly

74.4763, 85.1027, 72.1757



Deuteranomaly

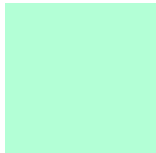
76.4531, 84.5692, 82.1060



Tritanomaly

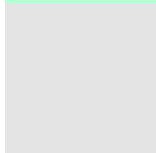
72.8084, 85.0922, 95.0251

Monochromacy



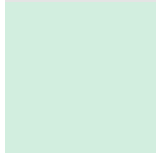
Original Color

66.4880, 85.9587, 76.7057



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.4722, 80.1784, 81.5737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4880, 85.9587, 76.7057 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(179, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 214)  
}
```

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(179, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 214) }
```

Border

The CSS property to change the border of an element to XYZ 66.4880, 85.9587, 76.7057 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(179, 255, 214) }
```


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

```
.border{ border-color:rgb(179, 255, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4880, 85.9587, 76.7057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 214) }
```

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

```
.background{ background-color: rgb(179,  
255, 214) }
```

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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