

Converting Colors

XYZ(66.4414, 86.0696, 70.6087)

Have a look what the booklet for
XYZ(66.4414, 86.0696, 70.6087)
contains.

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Color

**XYZ(66.5466, 86.1181,
70.8727)**

Conversions

Conversions Part 1

Format	Color
Hex	B8FFCD
RGB	184, 255, 205
RGB Percent	72%, 100%, 80%
CMY	0.2784, 0.0000, 0.1961
CMYK	0.28, 0.00, 0.20, 0.00
HSL	138°, 100%, 86%
HSV	138°, 28%, 100%
XYZ	66.5466, 86.1181, 70.8727
YIQ	228.0710, -26.2660, -30.6020

Conversions

Conversions Part 2

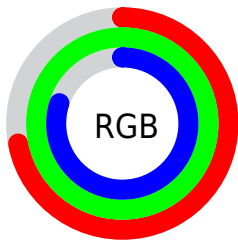
Format	Color
RYB	184, 239, 255
Decimal	12124109
CIELab	94.36, -31.72, 16.95
CIElCh	94, 35.965, 151.878
Yxy	86.1181, 0.2977, 0.3853
Android (android.graphics.Color)	4290314189 (0xFFB8FFCD)
YUV	228.0710, -11.3740, -38.6503
Hunter-Lab	92.7998, -34.3977, 19.6792

Details

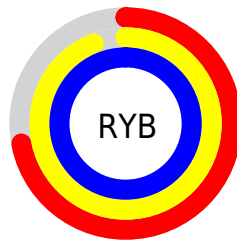
The XYZ color **66.5466, 86.1181, 70.8727** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.2321, 61.4822, 85.8491**, and the grayscale version is **73.8888, 77.7368, 84.6553**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **34.8333, 47.2897, 36.5701** is the 20% darker color. If you saturate the color by 10%, you get **58.9339, 82.4299, 59.8432**, and if you desaturate by 10%, it is **75.5105, 90.4741, 83.2669**.

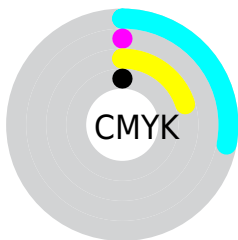
Distribution



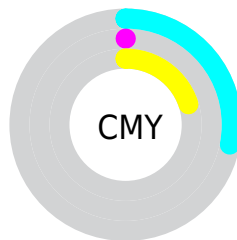
- Red (72%)
- Green (100%)
- Blue (80%)



- Red (72%)
- Yellow (94%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.5466, 86.1181, 70.8727 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 66.5466, 86.1181, 70.8727 by changing the saturation by 10% instead.


 66.5466, 86.1181,
70.8727

 66.5466, 86.1181,
70.8727


437.7871,
515.3205, 482.4800

 48.9856, 64.7656,
51.7571


 113.3239,
141.9343, 122.1452

 34.8225, 47.2711,
36.4306


143.2709,
177.1668, 155.1392

 23.6921, 33.2500,
24.4746


178.0772,
217.7948, 193.5965

 15.2289, 22.3180,
15.4706

218.1083,
264.2026, 237.9355

 9.0675, 14.0908,
9.0001

263.7295,
316.7747, 288.5748

 4.8427, 8.1838,
4.6444

315.3061,

 2.1891, 4.2128,

375.8955, 345.9329

1.9851

373.2035,
441.9493, 410.4285

■ 0.7370, 1.7933,
0.5461

■ 0.0000, 0.4830,
0.0000

■ 66.5466, 86.1181,
70.8727

■ 66.5466, 86.1181,
70.8727

■ 58.9339, 82.4299,
59.8432

■ 75.5105, 90.4741,
83.2669

■ 52.6028, 79.3745,
50.1275

■ 85.8863, 95.5284,
97.0662

■ 47.4804, 76.9156,
41.6772

95.0500, 100.0000,
108.9000

■ 43.4854, 75.0121,
34.4397

■ 40.5260, 73.6180,
28.3584

■ 38.4948, 72.6792,
23.3720

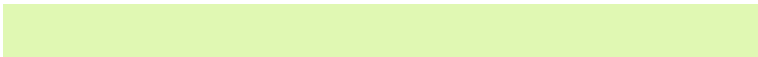
■ 37.2511, 72.1244,
19.4126

■ 37.0446, 72.0339,
18.6848

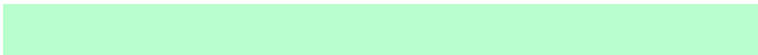
Harmonies

Analogous

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



72.4344, 86.1181, 55.4766



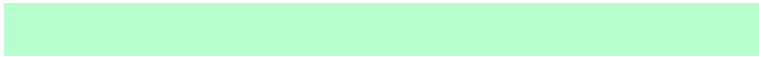
66.5466, 86.1181, 70.8727



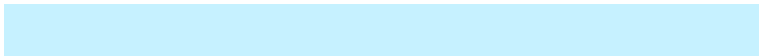
64.6641, 86.1181, 95.5210

Triad

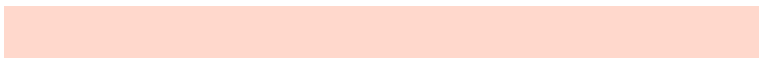
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.5466, 86.1181, 70.8727



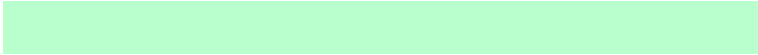
82.4625, 86.1181, 157.5802



98.6517, 86.1181, 68.3982

Complementary

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



66.5466, 86.1181, 70.8727



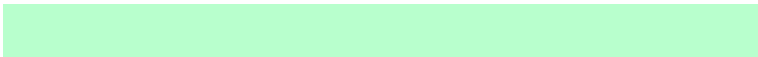
73.2321, 61.4822, 85.8491

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.



101.8455, 86.1181, 92.0365



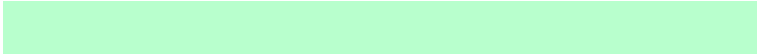
66.5466, 86.1181, 70.8727



92.0539, 86.1181, 146.5530

Square

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



66.5466, 86.1181, 70.8727



73.4100, 86.1181, 148.9119



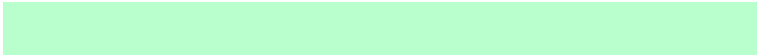
99.3423, 86.1181, 121.1288



90.9191, 86.1181, 54.2578

Rectangle

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



66.5466, 86.1181, 70.8727



65.8049, 86.1181, 115.0087



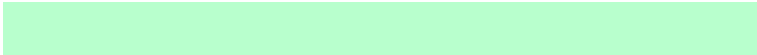
99.3423, 86.1181, 121.1288



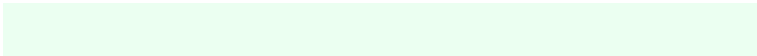
100.3179, 86.1181, 75.3181

Sweetspot

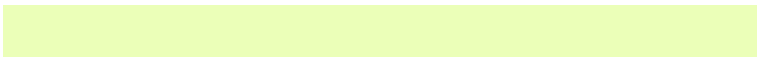
The Sweet Spot groups the original color and five complimentary colors.



66.5473, 86.1184, 70.8741



85.7116, 95.4432, 96.8377



78.6345, 92.6232, 59.0819



17.9926, 20.2566, 20.2640



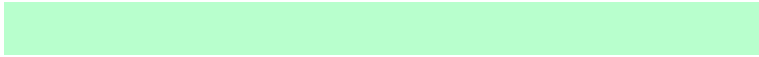
0.0000, 0.0000, 0.0000



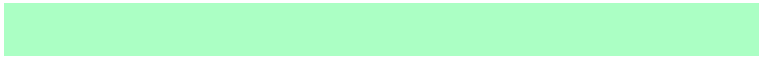
20.3446, 21.4041, 23.3091

Same Dimension

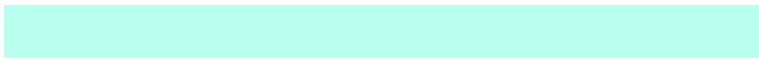
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.5473, 86.1184, 70.8741



62.4562, 84.1348, 65.0177



71.1989, 87.9791, 95.3692



17.9926, 20.2566, 20.2640



19.4132, 37.6619, 10.0611



1.9356, 3.6852, 1.2190

Inverse Universe

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



73.2321, 61.4822, 85.8491



70.0729, 56.0485, 82.0687



68.7344, 59.6831, 62.1646



18.5503, 18.2034, 21.5149



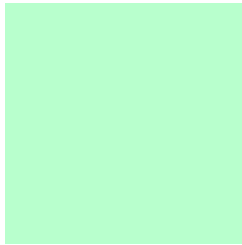
25.8995, 12.8491, 23.9190



2.5697, 1.2703, 2.5816

Previews

White Background



This preview shows how the XYZ color 66.5466, 86.1181, 70.8727 looks on a white background.

Color Contrast Check

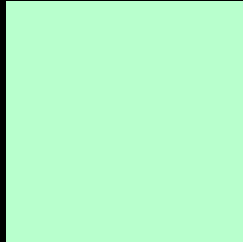
Large Text (above 18pt) WCAG AA × Fail

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 66.5466, 86.1181, 70.8727 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 66.5466, 86.1181, 70.8727

Background



This preview shows how black text looks on a background with the XYZ color 66.5466, 86.1181, 70.8727.



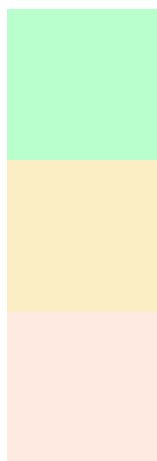
This preview shows how white text looks on a background with the XYZ color 66.5466, 86.1181,

70.8727.

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

66.5466, 86.1181, 70.8727

Protanopia

80.0317, 85.0631, 64.4253

Deuteranopia

84.2534, 85.5419, 83.3048



Tritanopia

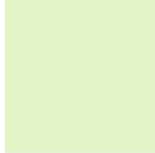
78.1249, 85.7683, 107.0450

Trichromacy



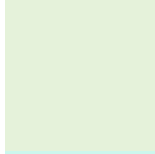
Original Color

66.5466, 86.1181, 70.8727



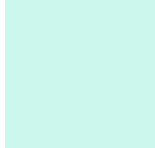
Protanomaly

74.3380, 85.1558, 66.5515



Deuteranomaly

76.7201, 85.2242, 78.7360



Tritanomaly

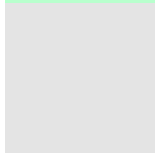
73.4487, 85.4733, 92.7476

Monochromacy



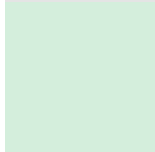
Original Color

66.5466, 86.1181, 70.8727



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.6442, 80.3134, 79.4888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.5466, 86.1181, 70.8727 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 205) }
```

Border

The CSS property to change the border of an element to XYZ 66.5466, 86.1181, 70.8727 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, 205) }
```


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

```
.border{ border-color:rgb(184, 255, 205) }
```

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, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 66.5466, 86.1181, 70.8727 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, 205) }
```

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

```
.background{ background-color: rgb(184,  
255, 205) }
```

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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