

Converting Colors

XYZ(116.1313, 185.6694,
86.7811)

Have a look what the booklet for
XYZ(116.1313, 185.6694, 86.7811)
contains.

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Color

**XYZ(66.4262, 86.0700,
70.2389)**

Conversions

Conversions Part 1

Format	Color
Hex	B8FFCC
RGB	184, 255, 204
RGB Percent	72%, 100%, 80%
CMY	0.2784, 0.0000, 0.2000
CMYK	0.28, 0.00, 0.20, 0.00
HSL	137°, 100%, 86%
HSV	137°, 28%, 100%
XYZ	66.4262, 86.0700, 70.2389
YIQ	227.9570, -25.9450, -30.9130

Conversions

Conversions Part 2

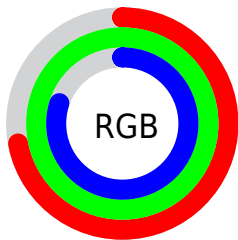
Format	Color
RYB	184, 239, 255
Decimal	12124108
CIELab	94.34, -31.90, 17.44
CIELCh	94, 36.353, 151.340
Yxy	86.0700, 0.2982, 0.3864
Android (android.graphics.Color)	4290314188 (0xFFB8FFCC)
YUV	227.9570, -11.8108, -38.5503
Hunter-Lab	92.7739, -34.5482, 20.0534

Details

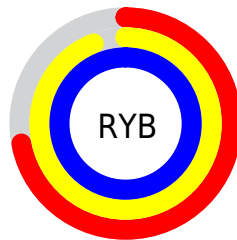
The XYZ color **66.4262, 86.0700, 70.2389** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.3761, 61.5397, 86.6077**, and the grayscale version is **73.8082, 77.6520, 84.5630**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **34.7524, 47.2573, 36.1441** is the 20% darker color. If you saturate the color by 10%, you get **58.7889, 82.3719, 59.0802**, and if you desaturate by 10%, it is **75.4242, 90.4396, 82.8127**.

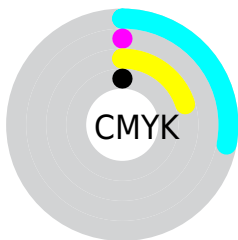
Distribution



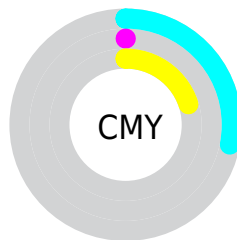
- Red (72%)
- Green (100%)
- Blue (80%)



- 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 66.4262, 86.0700, 70.2389 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 66.4262, 86.0700, 70.2389 by changing the saturation by 10% instead.

 66.4262, 86.0700,
70.2389

 66.4262, 86.0700,
70.2389


437.3642,
515.1620, 480.2001

 48.8874, 64.7259,
51.2433


 113.1522,
141.8672, 121.2337

 34.7444, 47.2388,
36.0242


143.0701,
177.0890, 154.0700

 23.6316, 33.2245,
24.1631

177.8451,
217.7055, 192.3569

 15.1838, 22.2985,
15.2413

217.8426,
264.1011, 236.5130

 9.0357, 14.0764,
8.8404

263.4279,
316.6601, 286.9569

 4.8217, 8.1738,
4.5418

314.9664,

 2.1767, 4.2064,

375.7670, 344.1070

1.9271

372.8234,
441.8062, 408.3819

■ 0.7304, 1.7897,
0.5099

■ 0.0000, 0.4807,
0.0000

■ 66.4262, 86.0700,
70.2389

■ 66.4262, 86.0700,
70.2389

■ 58.7889, 82.3719,
59.0802

■ 75.4242, 90.4396,
82.8127


■ 52.4423, 79.3104,
49.2829


■ 85.8441, 95.5115,
96.8447


■ 47.3129, 76.8486,
40.7955


95.0500, 100.0000,
108.9000

■ 43.3187, 74.9455,
33.5619

 40.3671, 73.5545,
27.5219

 38.3501, 72.6213,
22.6101

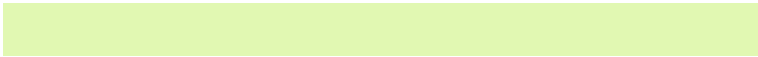
 37.1260, 72.0743,
18.7537

 36.9243, 71.9857,
18.0513

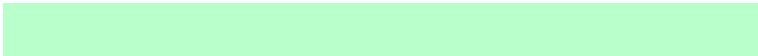
Harmonies

Analogous

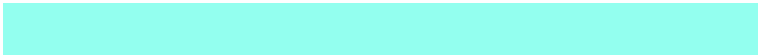
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.4332, 86.0700, 54.9126



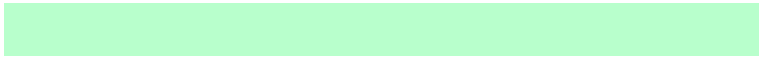
66.4262, 86.0700, 70.2389



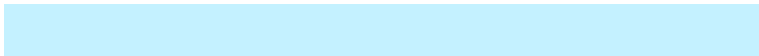
64.4503, 86.0700, 94.9774

Triad

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



66.4262, 86.0700, 70.2389



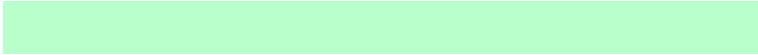
82.2464, 86.0700, 158.3363



98.8970, 86.0700, 68.4589

Complementary

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



66.4262, 86.0700, 70.2389



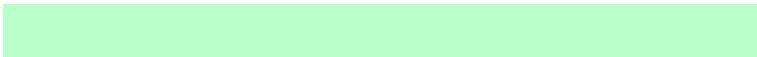
73.3761, 61.5397, 86.6077

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.



102.0296, 86.0700, 92.4650



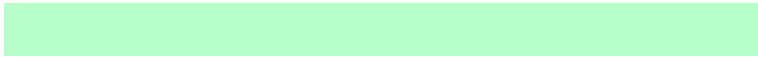
66.4262, 86.0700, 70.2389



91.9564, 86.0700, 147.4955

Square

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



66.4262, 86.0700, 70.2389



73.1360, 86.0700, 149.2017



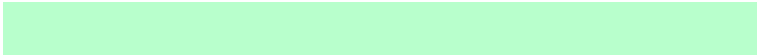
99.3956, 86.0700, 121.9150



91.1375, 86.0700, 54.0376

Rectangle

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



66.4262, 86.0700, 70.2389



65.5491, 86.0700, 114.6560



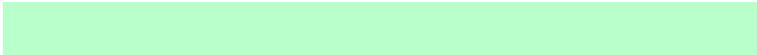
99.3956, 86.0700, 121.9150



100.5525, 86.0700, 75.4939

Sweetspot

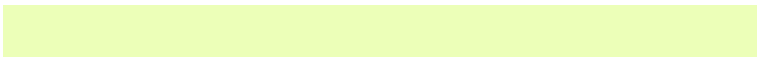
The Sweet Spot groups the original color and five complimentary colors.



66.4268, 86.0703, 70.2403



85.6688, 95.4261, 96.6123



79.0262, 92.8251, 59.1001



17.9819, 20.2523, 20.2076



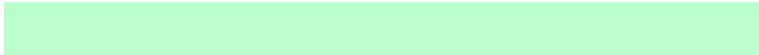
0.0000, 0.0000, 0.0000



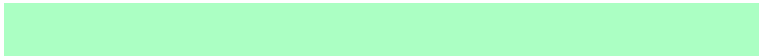
20.3446, 21.4041, 23.3091

Same Dimension

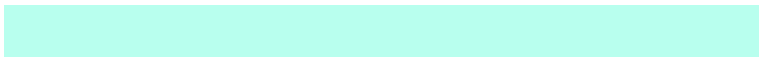
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.4268, 86.0703, 70.2403



62.3221, 84.0811, 64.3113



71.0239, 87.9091, 94.4482



17.9819, 20.2523, 20.2076



19.3483, 37.6359, 9.7195



1.9282, 3.6822, 1.1796

Inverse Universe

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



73.3761, 61.5397, 86.6077



70.2400, 56.1154, 82.9488



68.8726, 59.7383, 62.8928



18.5616, 18.2080, 21.5746



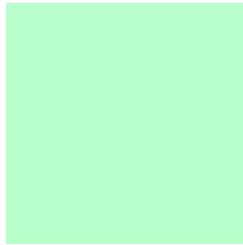
26.0910, 12.9257, 24.9274



2.5872, 1.2772, 2.6734

Previews

White Background



This preview shows how the XYZ color 66.4262, 86.0700, 70.2389 looks on a white background.

Color Contrast Check

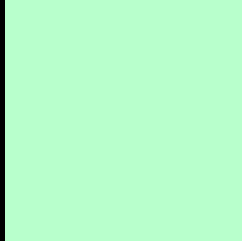
Large Text (above 18pt) WCAG AA × Fail

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 66.4262, 86.0700, 70.2389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

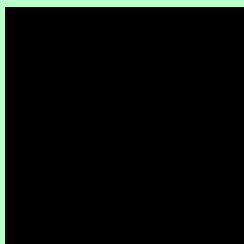
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.4262, 86.0700, 70.2389

Background



This preview shows how black text looks on a background with the XYZ color 66.4262, 86.0700, 70.2389.



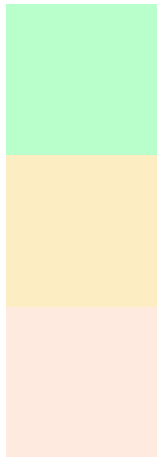
This preview shows how white text looks on a background with the XYZ color 66.4262, 86.0700,

70.2389.

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

66.4262, 86.0700, 70.2389

Protanopia

80.2794, 85.2040, 63.8446

Deuteranopia

84.1174, 85.4875, 82.5883



Tritanopia

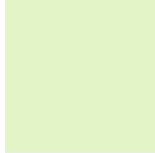
77.8321, 85.6173, 107.0313

Trichromacy



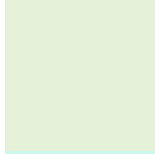
Original Color

66.4262, 86.0700, 70.2389



Protanomaly

74.2223, 85.1095, 65.9419



Deuteranomaly

76.5896, 85.1720, 78.0488



Tritanomaly

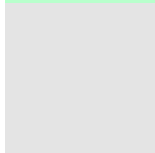
73.0297, 85.2742, 91.9674

Monochromacy



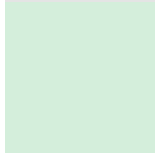
Original Color

66.4262, 86.0700, 70.2389



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 66.4262, 86.0700, 70.2389 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 66.4262, 86.0700, 70.2389 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, 204) }
```


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

```
.border{ border-color:rgb(184, 255, 204) }
```

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, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4262, 86.0700, 70.2389 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, 204) }
```

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

```
.background{ background-color: rgb(184,  
255, 204) }
```

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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