

Converting Colors

XYZ(67.4588, 86.6888, 66.3778)

Have a look what the booklet for
XYZ(67.4588, 86.6888, 66.3778)
contains.

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Color

**XYZ(67.4389, 86.6736,
66.6014)**

Conversions

Conversions Part 1

Format	Color
Hex	BFFFC6
RGB	191, 255, 198
RGB Percent	75%, 100%, 78%
CMY	0.2510, 0.0000, 0.2235
CMYK	0.25, 0.00, 0.22, 0.00
HSL	127°, 100%, 87%
HSV	127°, 25%, 100%
XYZ	67.4389, 86.6736, 66.6014
YIQ	229.3660, -19.8470, -31.2950

Conversions

Conversions Part 2

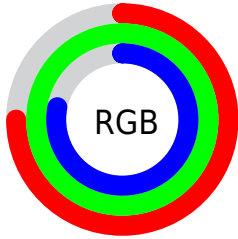
Format	Color
RYB	191, 249, 255
Decimal	12582854
CIELab	94.60, -30.76, 20.92
CIELCh	95, 37.201, 145.790
Yxy	86.6736, 0.3055, 0.3927
Android (android.graphics.Color)	4290772934 (0xFFBFFFC6)
YUV	229.3660, -15.4634, -33.6470
Hunter-Lab	93.0987, -33.6206, 22.7539

Details

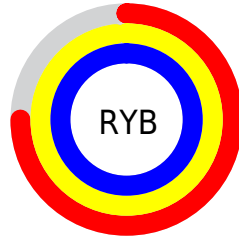
The XYZ color **67.4389, 86.6736, 66.6014** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.8142, 65.2994, 97.3617**, and the grayscale version is **74.8662, 78.7650, 85.7751**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **35.3815, 47.6360, 33.7154** is the 20% darker color. If you saturate the color by 10%, you get **59.1481, 82.6798, 53.5492**, and if you desaturate by 10%, it is **77.2402, 91.4006, 81.7772**.

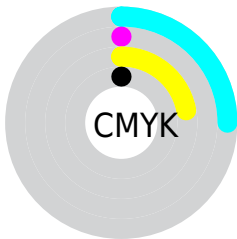
Distribution



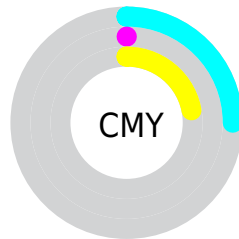
- Red (75%)
- Green (100%)
- Blue (78%)



- Red (75%)
- Yellow (98%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.4389, 86.6736, 66.6014 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 67.4389, 86.6736, 66.6014 by changing the saturation by 10% instead.


 67.4389, 86.6736,
66.6014

 67.4389, 86.6736,
66.6014


440.9134,
517.1497, 466.9874

 49.7134, 65.2251,
48.3012


 114.5954,
142.7091, 115.9843

 35.4026, 47.6437,
33.7038


144.7571,
178.0649, 147.9041

 24.1411, 33.5448,
22.3906


179.7950,
218.8253, 185.2008

 15.5636, 22.5441,
13.9431

220.0743,
265.3747, 228.2930

 9.3048, 14.2572,
7.9428

265.9604,
318.0974, 277.5992

 4.9992, 8.2998,
3.9711

317.8188,

 2.2816, 4.2874,

377.3779, 333.5380

1.6095

376.0146,
443.6005, 396.5279

■ 0.7852, 1.8356,
0.2976

■ 0.0000, 0.5092,
0.0000

■ 67.4389, 86.6736,
66.6014

■ 67.4389, 86.6736,
66.6014

■ 59.1481, 82.6798,
53.5492

■ 77.2402, 91.4006,
81.7772

■ 52.2907, 79.3817,
42.5222

■ 88.6201, 96.8942,
99.1612

■ 46.7854, 76.7394,
33.4200

■ 95.0500, 100.0000,
108.9000

■ 42.5422, 74.7088,
26.1322

■ 39.4600, 73.2405,
20.5372

■ 37.4217, 72.2770,
16.4985

■ 36.2854, 71.7485,
13.8584

■ 35.9683, 71.6033,
13.0171

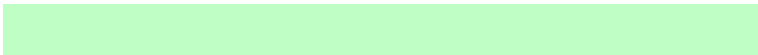
Harmonies

Analogous

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



74.2716, 86.6736, 52.8660



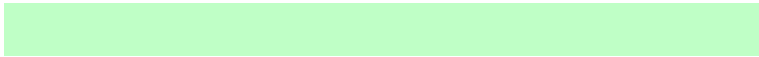
67.4389, 86.6736, 66.6014



64.6052, 86.6736, 90.3762

Triad

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



67.4389, 86.6736, 66.6014



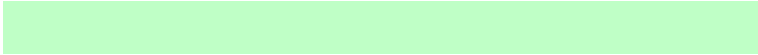
80.9731, 86.6736, 160.8680



100.9938, 86.6736, 72.3243

Complementary

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



67.4389, 86.6736, 66.6014



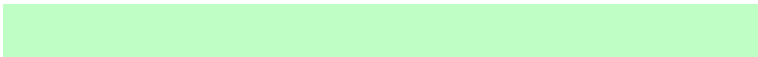
76.8142, 65.2994, 97.3617

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.



103.1498, 86.6736, 98.4855



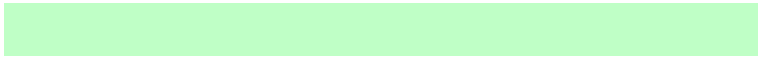
67.4389, 86.6736, 66.6014



91.0595, 86.6736, 153.3503

Square

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



67.4389, 86.6736, 66.6014



72.0067, 86.6736, 147.8145



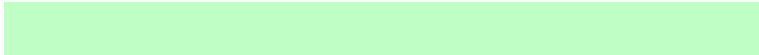
99.3809, 86.6736, 128.9561



93.7061, 86.6736, 55.6693

Rectangle

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



67.4389, 86.6736, 66.6014



65.1815, 86.6736, 110.2145



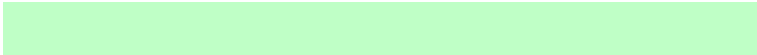
99.3809, 86.6736, 128.9561



102.3668, 86.6736, 80.1269

Sweetspot

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



67.4395, 86.6739, 66.6028



85.1505, 95.2187, 93.8830



84.0887, 95.3480, 63.2631



17.8523, 20.2005, 19.5253



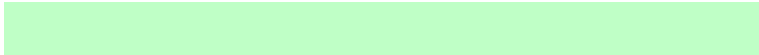
0.0000, 0.0000, 0.0000



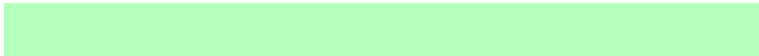
20.3446, 21.4041, 23.3091

Same Dimension

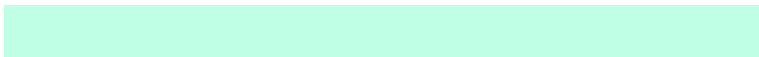
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.4395, 86.6739, 66.6028



63.1906, 84.6265, 59.9440



71.4451, 88.2761, 87.6957



17.8523, 20.2005, 19.5253



18.8200, 37.4246, 6.9374



1.8575, 3.6539, 0.8076

Inverse Universe

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



76.8142, 65.2994, 97.3617



73.9917, 59.9928, 95.3778



72.3436, 63.5112, 73.8197



18.7020, 18.2641, 22.3139



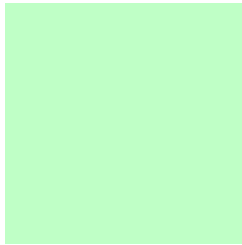
28.8356, 14.0235, 39.3805



2.8311, 1.3748, 3.9578

Previews

White Background



This preview shows how the XYZ color 67.4389, 86.6736, 66.6014 looks on a white background.

Color Contrast Check

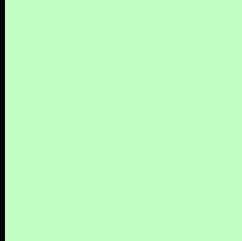
Large Text (above 18pt) WCAG AA × Fail

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 67.4389, 86.6736, 66.6014 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 67.4389, 86.6736, 66.6014

Background



This preview shows how black text looks on a background with the XYZ color 67.4389, 86.6736, 66.6014.

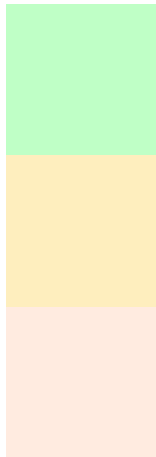


This preview shows how white text looks on a background with the XYZ color 67.4389, 86.6736,

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

67.4389, 86.6736, 66.6014

Protanopia

80.7419, 85.9376, 61.0473

Deuteranopia

84.4029, 86.0585, 82.6834



Tritanopia

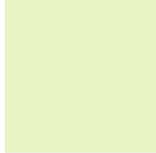
79.3140, 86.3813, 107.1007

Trichromacy



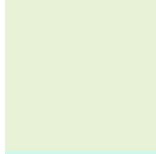
Original Color

67.4389, 86.6736, 66.6014



Protanomaly

74.9313, 85.5405, 63.0138



Deuteranomaly

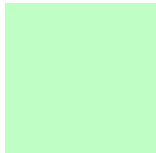
77.2966, 85.5664, 76.7320



Tritanomaly

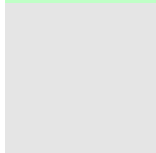
74.4065, 86.0174, 90.5233

Monochromacy



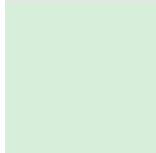
Original Color

67.4389, 86.6736, 66.6014



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.2538, 80.6581, 78.1428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4389, 86.6736, 66.6014 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(191, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 198)  
}
```

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(191, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 198) }
```

Border

The CSS property to change the border of an element to XYZ 67.4389, 86.6736, 66.6014 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(191, 255, 198) }
```


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

```
.border{ border-color:rgb(191, 255, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4389, 86.6736, 66.6014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 198) }
```

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

```
.background{ background-color: rgb(191,  
255, 198) }
```

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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