

Converting Colors

XYZ(67.8050, 86.8273, 68.2010)

Have a look what the booklet for
XYZ(67.8050, 86.8273, 68.2010)
contains.

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Color

**XYZ(67.7885, 86.8134,
68.4422)**

Conversions

Conversions Part 1

Format	Color
Hex	BFFFC9
RGB	191, 255, 201
RGB Percent	75%, 100%, 79%
CMY	0.2510, 0.0000, 0.2118
CMYK	0.25, 0.00, 0.21, 0.00
HSL	129°, 100%, 87%
HSV	129°, 25%, 100%
XYZ	67.7885, 86.8134, 68.4422
YIQ	229.7080, -20.8100, -30.3620

Conversions

Conversions Part 2

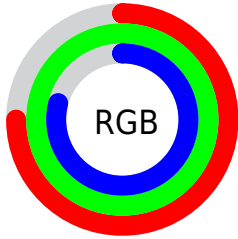
Format	Color
RYB	191, 246, 255
Decimal	12582857
CIELab	94.66, -30.25, 19.47
CIELCh	95, 35.974, 147.238
Yxy	86.8134, 0.3039, 0.3892
Android (android.graphics.Color)	4290772937 (0xFFBFFFC9)
YUV	229.7080, -14.1530, -33.9469
Hunter-Lab	93.1737, -33.1864, 21.6692

Details

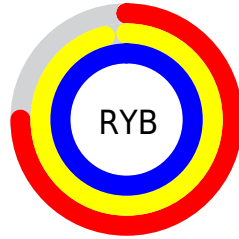
The XYZ color **67.7885, 86.8134, 68.4422** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.3525, 65.1149, 94.9300**, and the grayscale version is **75.1099, 79.0215, 86.0544**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **35.6139, 47.7290, 34.9393** is the 20% darker color. If you saturate the color by 10%, you get **59.5676, 82.8476, 55.7581**, and if you desaturate by 10%, it is **77.4817, 91.4972, 83.0485**.

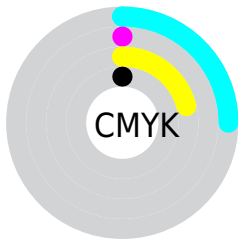
Distribution



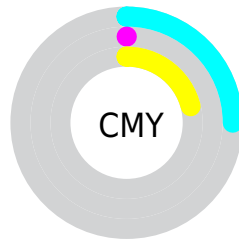
- Red (75%)
- Green (100%)
- Blue (79%)



- Red (75%)
- Yellow (96%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.7885, 86.8134, 68.4422 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 67.7885, 86.8134, 68.4422 by changing the saturation by 10% instead.


 67.7885, 86.8134,
68.4422

 67.7885, 86.8134,
68.4422


442.1348,
517.6095, 473.7017

 49.9987, 65.3408,
49.7886


 115.0931,
142.9040, 118.6447

 35.6302, 47.7375,
34.8755


145.3386,
178.2908, 151.0307

 24.3175, 33.6190,
23.2842


180.4668,
219.0845, 188.8313

 15.6953, 22.6011,
14.5962

220.8430,
265.6694, 232.4650

 9.3983, 14.2992,
8.3930

266.8325,
318.4300, 282.3504

 5.0611, 8.3291,
4.2561

318.8008,

 2.3183, 4.3062,

377.7506, 338.9059

1.7669

377.1131,
444.0156, 402.5502

0.8040, 1.8463,
0.4060

0.0000, 0.5158,
0.0000

67.7885, 86.8134,
68.4422

67.7885, 86.8134,
68.4422

59.5676, 82.8476,
55.7581

77.4817, 91.4972,
83.0485

52.7446, 79.5632,
44.9123

88.7126, 96.9312,
99.6480

47.2413, 76.9217,
35.8205

95.0500, 100.0000,
108.9000

42.9711, 74.8804,
28.3904

■ 39.8368, 73.3912,
22.5214

■ 37.7262, 72.3988,
18.1016

■ 36.5030, 71.8355,
15.0042

■ 36.1404, 71.6722,
13.9232

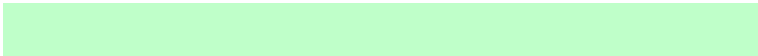
Harmonies

Analogous

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



74.2604, 86.8134, 54.5098



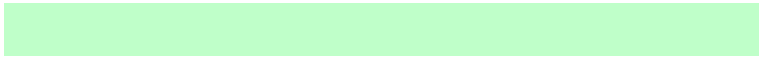
67.7885, 86.8134, 68.4422



65.2351, 86.8134, 91.9715

Triad

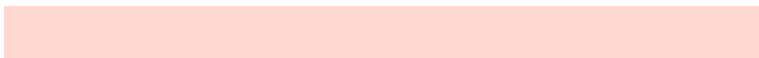
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.7885, 86.8134, 68.4422



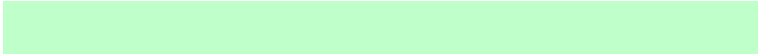
81.6170, 86.8134, 158.6209



100.2510, 86.8134, 72.1046

Complementary

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



67.7885, 86.8134, 68.4422



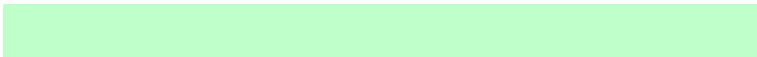
76.3525, 65.1149, 94.9300

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.



102.6015, 86.8134, 97.1254



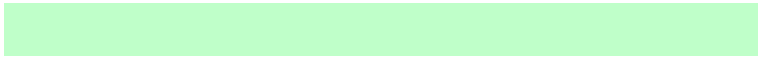
67.7885, 86.8134, 68.4422



91.3566, 86.8134, 150.4798

Square

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



67.7885, 86.8134, 68.4422



72.8171, 86.8134, 146.9937



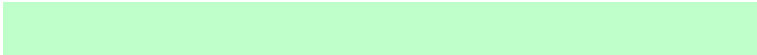
99.2300, 86.8134, 126.5126



93.0347, 86.8134, 56.3146

Rectangle

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



67.7885, 86.8134, 68.4422



65.9360, 86.8134, 111.2714



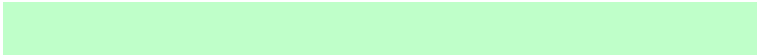
99.2300, 86.8134, 126.5126



101.6599, 86.8134, 79.5493

Sweetspot

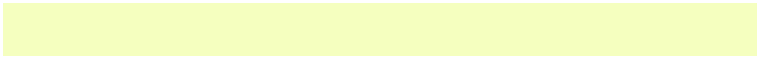
The Sweet Spot groups the original color and five complimentary colors.



67.7892, 86.8137, 68.4436



85.2905, 95.2747, 94.6201



82.9601, 94.7662, 63.2104



17.8873, 20.2144, 19.7093



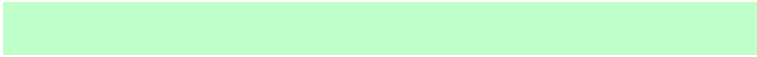
0.0000, 0.0000, 0.0000



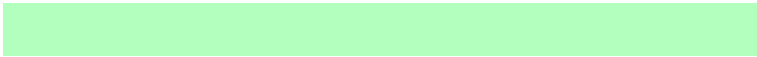
20.3446, 21.4041, 23.3091

Same Dimension

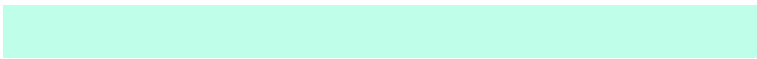
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.7892, 86.8137, 68.4436



63.5790, 84.7818, 61.9894



71.8972, 88.4570, 90.0765



17.8873, 20.2144, 19.7093



18.9183, 37.4639, 7.4548



1.8739, 3.6605, 0.8938

Inverse Universe

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



76.3525, 65.1149, 94.9300



73.4447, 59.7740, 92.4969



71.9324, 63.3468, 71.6539



18.6635, 18.2487, 22.1112



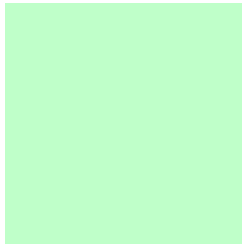
28.0140, 13.6949, 35.0540



2.7590, 1.3460, 3.5784

Previews

White Background



This preview shows how the XYZ color 67.7885, 86.8134, 68.4422 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 67.7885, 86.8134, 68.4422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

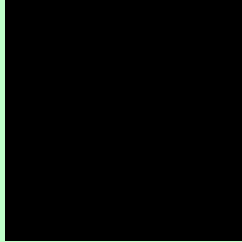
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.7885, 86.8134, 68.4422

Background



This preview shows how black text looks on a background with the XYZ color 67.7885, 86.8134, 68.4422.



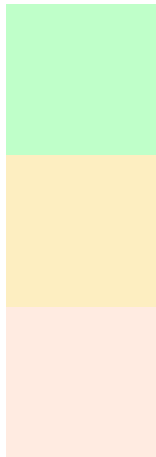
This preview shows how white text looks on a background with the XYZ color 67.7885, 86.8134,

68.4422.

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

67.7885, 86.8134, 68.4422

Protanopia

80.7082, 85.8820, 62.7752

Deuteranopia

84.5389, 86.1129, 83.3999



Tritanopia

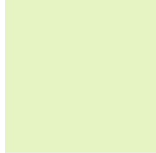
79.3140, 86.3813, 107.1007

Trichromacy



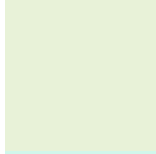
Original Color

67.7885, 86.8134, 68.4422



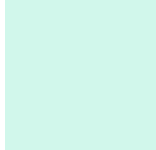
Protanomaly

74.9476, 85.5099, 64.7794



Deuteranomaly

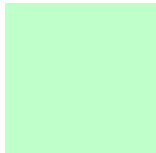
77.4255, 85.6179, 77.4109



Tritanomaly

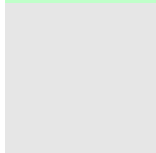
74.5507, 86.0750, 91.2822

Monochromacy



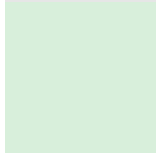
Original Color

67.7885, 86.8134, 68.4422



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

71.9716, 81.4464, 78.9453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7885, 86.8134, 68.4422 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 201) }
```

Border

The CSS property to change the border of an element to XYZ 67.7885, 86.8134, 68.4422 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, 201) }
```


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

```
.border{ border-color:rgb(191, 255, 201) }
```

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, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7885, 86.8134, 68.4422 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, 201) }
```

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

```
.background{ background-color: rgb(191,  
255, 201) }
```

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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