

Converting Colors

XYZ(74.8696, 100.0000,
66.1271)

Have a look what the booklet for
XYZ(74.8696, 100.0000, 66.1271)
contains.

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Color

**XYZ(68.5236, 87.2854,
64.2751)**

Conversions

Conversions Part 1

Format	Color
Hex	C5FFC2
RGB	197, 255, 194
RGB Percent	77%, 100%, 76%
CMY	0.2274, 0.0000, 0.2392
CMYK	0.23, 0.00, 0.24, 0.00
HSL	117°, 100%, 88%
HSV	117°, 24%, 100%
XYZ	68.5236, 87.2854, 64.2751
YIQ	230.7040, -14.9870, -31.2670

Conversions

Conversions Part 2

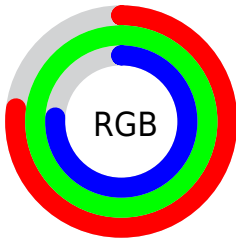
Format	Color
RYB	194, 255, 252
Decimal	12976066
CIELab	94.86, -29.51, 23.36
CIELCh	95, 37.635, 141.627
Yxy	87.2854, 0.3114, 0.3966
Android (android.graphics.Color)	4291166146 (0xFFC5FFC2)
YUV	230.7040, -18.0951, -29.5584
Hunter-Lab	93.4267, -32.5762, 24.6087

Details

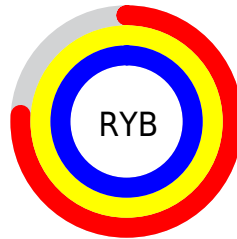
The XYZ color **68.5236, 87.2854, 64.2751** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.4875, 66.5002, 103.3595**, and the grayscale version is **75.8734, 79.8247, 86.9291**.

A 20% lighter version of the original color is **94.0456, 99.5559, 105.5263**, and **36.0830, 48.0324, 32.1803** is the 20% darker color. If you saturate the color by 10%, you get **60.0543, 83.2223, 50.1899**, and if you desaturate by 10%, it is **78.5067, 92.0720, 80.9989**.

Distribution



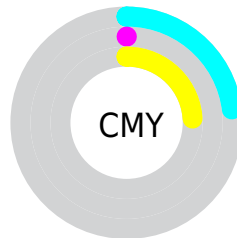
- Red (77%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (99%)



- Cyan (23%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.5236, 87.2854, 64.2751 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 68.5236, 87.2854, 64.2751 by changing the saturation by 10% instead.


 68.5236, 87.2854,
64.2751

 68.5236, 87.2854,
64.2751


444.6966,
519.1602, 458.4171

 50.5991, 65.7314,
46.4259


 116.1387,
143.5619, 112.6103

 36.1094, 48.0544,
32.2310


146.5599,
179.0531, 143.9334

 24.6892, 33.8700,
21.2717


181.8774,
219.9590, 180.5849

 15.9731, 22.7937,
13.1296

222.4566,
266.6638, 222.9833

 9.5959, 14.4413,
7.3861

268.6627,
319.5519, 271.5472

 5.1920, 8.4282,
3.6226

320.8612,

 2.3963, 4.3702,

379.0077, 326.6951

1.4207

379.4174,
445.4157, 388.8456

■ 0.8433, 1.8827,
0.1578

■ 0.0000, 0.5379,
0.0000

■ 68.5236, 87.2854,
64.2751

■ 68.5236, 87.2854,
64.2751

■ 60.0543, 83.2223,
50.1899

■ 78.5067, 92.0720,
80.9989

■ 53.0231, 79.8467,
38.6048

■ 90.0705, 97.6141,
100.4822

■ 47.3507, 77.1209,
29.3750

■ 95.0500, 100.0000,
108.9000

■ 42.9492, 75.0030,
22.3391

■ 39.7205, 73.4464,
17.3153

■ 37.5521, 72.3976,
14.0930

■ 36.3092, 71.7928,
12.4146

■ 35.9192, 71.6021,
11.9275

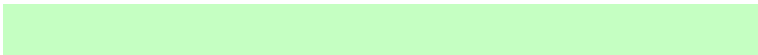
Harmonies

Analogous

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



75.9451, 87.2854, 51.8211



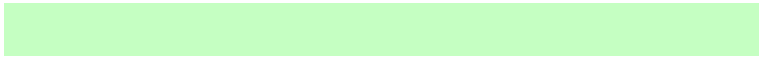
68.5236, 87.2854, 64.2751



65.0407, 87.2854, 87.0964

Triad

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



68.5236, 87.2854, 64.2751



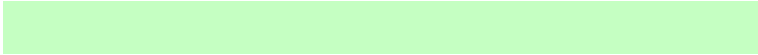
80.1404, 87.2854, 162.1021



102.5512, 87.2854, 75.8132

Complementary

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



68.5236, 87.2854, 64.2751



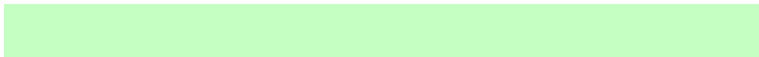
77.4875, 66.5002, 103.3595

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.



103.9059, 87.2854, 103.4503



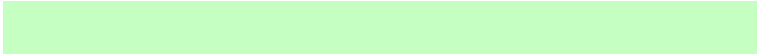
68.5236, 87.2854, 64.2751



90.3986, 87.2854, 157.3614

Square

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



68.5236, 87.2854, 64.2751



71.3788, 87.2854, 146.1953



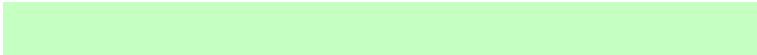
99.2986, 87.2854, 134.3223



95.7354, 87.2854, 57.4708

Rectangle

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



68.5236, 87.2854, 64.2751



65.2052, 87.2854, 106.8084



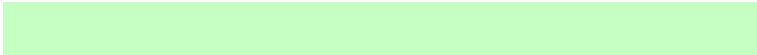
99.2986, 87.2854, 134.3223



103.6814, 87.2854, 84.1676

Sweetspot

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



68.5242, 87.2856, 64.2764



86.3372, 95.8251, 94.1814



85.7726, 94.7446, 64.8071



18.3270, 20.4373, 19.9011



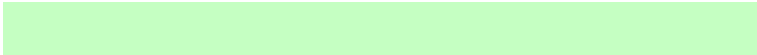
0.0000, 0.0000, 0.0000



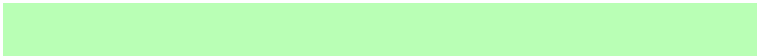
20.3446, 21.4041, 23.3091

Same Dimension

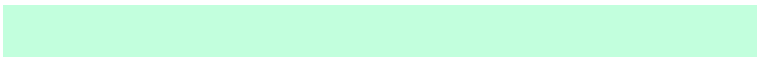
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.5242, 87.2856, 64.2764



64.0375, 85.1335, 56.8002



71.1201, 88.2342, 82.0047



17.8542, 20.2107, 19.1044



18.8031, 37.4314, 6.2340



1.8586, 3.6589, 0.6083

Inverse Universe

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



77.4875, 66.5002, 103.3595



74.4990, 60.8650, 102.4293



74.4736, 65.4211, 81.7748



18.6992, 18.2522, 22.7874



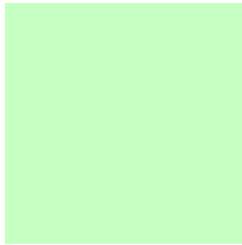
28.6867, 13.6990, 50.5668



2.8192, 1.3473, 4.9247

Previews

White Background



This preview shows how the XYZ color 68.5236, 87.2854, 64.2751 looks on a white background.

Color Contrast Check

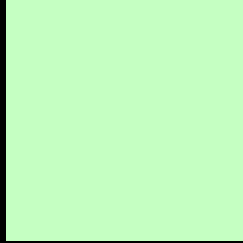
Large Text (above 18pt) WCAG AA × Fail

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 68.5236, 87.2854, 64.2751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

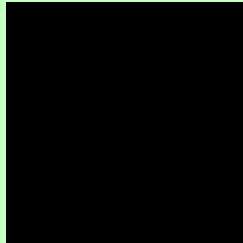
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.5236, 87.2854, 64.2751

Background



This preview shows how black text looks on a background with the XYZ color 68.5236, 87.2854, 64.2751.



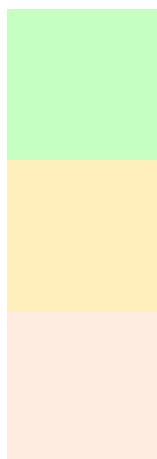
This preview shows how white text looks on a background with the XYZ color 68.5236, 87.2854,

64.2751.

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

68.5236, 87.2854, 64.2751

Protanopia

81.1836, 86.6238, 60.0182

Deuteranopia

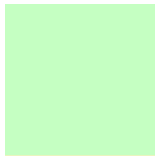
84.8261, 86.6871, 83.4956



Tritanopia

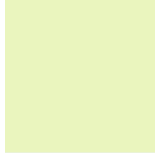
80.2248, 86.8508, 107.1433

Trichromacy



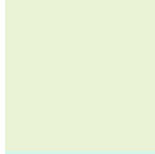
Original Color

68.5236, 87.2854, 64.2751



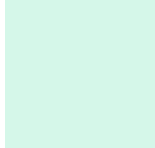
Protanomaly

75.8784, 86.5149, 61.4150



Deuteranomaly

78.1199, 86.4486, 76.1872



Tritanomaly

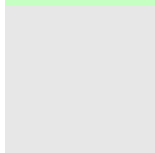
75.4093, 86.5509, 89.8223

Monochromacy



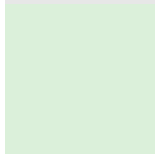
Original Color

68.5236, 87.2854, 64.2751



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.0284, 82.4422, 78.3936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5236, 87.2854, 64.2751 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(197, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 194)  
}
```

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(197, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 194) }
```

Border

The CSS property to change the border of an element to XYZ 68.5236, 87.2854, 64.2751 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(197, 255, 194) }
```


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

```
.border{ border-color:rgb(197, 255, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5236, 87.2854, 64.2751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 194) }
```

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

```
.background{ background-color: rgb(197,  
255, 194) }
```

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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