

Converting Colors

XYZ(68.4918, 87.2427, 65.4590)

Have a look what the booklet for
XYZ(68.4918, 87.2427, 65.4590)
contains.

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Color

**XYZ(68.4888, 87.2413,
65.4541)**

Conversions

Conversions Part 1

Format	Color
Hex	C4FFC4
RGB	196, 255, 196
RGB Percent	77%, 100%, 77%
CMY	0.2314, 0.0000, 0.2314
CMYK	0.23, 0.00, 0.23, 0.00
HSL	120°, 100%, 88%
HSV	120°, 23%, 100%
XYZ	68.4888, 87.2413, 65.4541
YIQ	230.6330, -16.2250, -30.8570

Conversions

Conversions Part 2

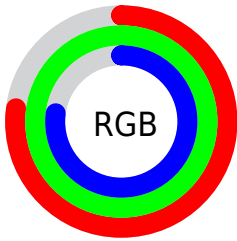
Format	Color
RYB	196, 255, 255
Decimal	12910532
CIELab	94.84, -29.50, 22.31
CIELCh	95, 36.987, 142.900
Yxy	87.2413, 0.3096, 0.3944
Android (android.graphics.Color)	4291100612 (0xFFC4FFC4)
YUV	230.6330, -17.0741, -30.3731
Hunter-Lab	93.4031, -32.5683, 23.8335

Details

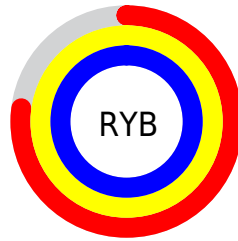
The XYZ color **68.4888, 87.2413, 65.4541** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.0301, 67.9605, 103.5594**, and the grayscale version is **75.8140, 79.7622, 86.8610**.

A 20% lighter version of the original color is **93.9976, 99.4945, 107.1787**, and **36.0611, 48.0039, 32.9562** is the 20% darker color. If you saturate the color by 10%, you get **59.7495, 83.0434, 51.1598**, and if you desaturate by 10%, it is **78.8499, 92.2182, 82.4018**.

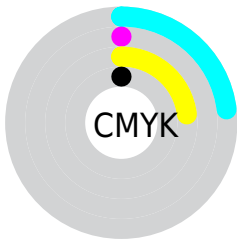
Distribution



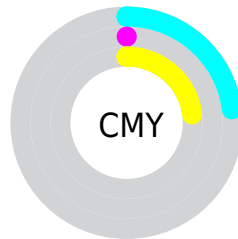
- Red (77%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (100%)



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



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

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.4888, 87.2413, 65.4541 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 68.4888, 87.2413, 65.4541 by changing the saturation by 10% instead.


 68.4888, 87.2413,
65.4541

 68.4888, 87.2413,
65.4541


444.5755,
519.0154, 462.7728

 50.5706, 65.6949,
47.3757


116.0892,
143.5004, 114.3220

 36.0867, 48.0248,
32.9763


146.5021,
178.9819, 145.9486

 24.6716, 33.8465,
21.8373


181.8107,
219.8773, 182.9283

 15.9599, 22.7757,
13.5402

222.3803,
266.5709, 225.6797

 9.5865, 14.4280,
7.6665

268.5762,
319.4471, 274.6213

 5.1858, 8.4189,
3.7976

320.7638,

 2.3926, 4.3642,

378.8903, 330.1716

1.5150

379.3085,
445.2850, 392.7493

■ 0.8414, 1.8793,
0.2291

■ 0.0000, 0.5359,
0.0000

■ 68.4888, 87.2413,
65.4541

■ 68.4888, 87.2413,
65.4541

■ 59.7495, 83.0434,
51.1598

■ 78.8499, 92.2182,
82.4018

■ 52.5484, 79.5843,
39.3810

■ 90.9070, 98.0099,
102.1235

■ 46.7969, 76.8216,
29.9733

95.0500, 100.0000,
108.9000

■ 42.3968, 74.7080,
22.7761

■ 39.2379, 73.1906,
17.6090

■ 37.1924, 72.2081,
14.2632

■ 36.1054, 71.6859,
12.4851

■ 35.7600, 71.5200,
11.9201

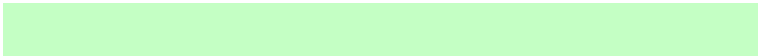
Harmonies

Analogous

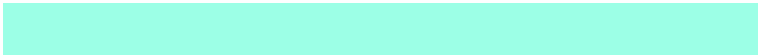
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6497, 87.2413, 52.7032



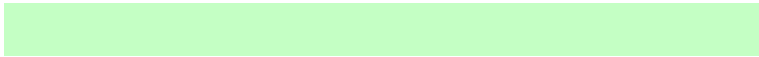
68.4888, 87.2413, 65.4541



65.2399, 87.2413, 88.3357

Triad

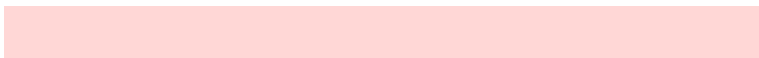
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.4888, 87.2413, 65.4541



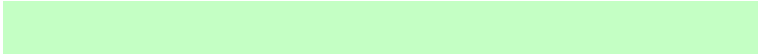
80.5626, 87.2413, 160.9081



101.9562, 87.2413, 75.1044

Complementary

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



68.4888, 87.2413, 65.4541



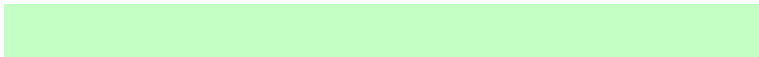
79.0301, 67.9605, 103.5594

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.



103.5369, 87.2413, 101.9724



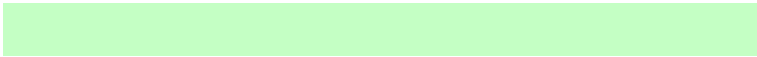
68.4888, 87.2413, 65.4541



90.6423, 87.2413, 155.3959

Square

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



68.4888, 87.2413, 65.4541



71.8374, 87.2413, 146.1222



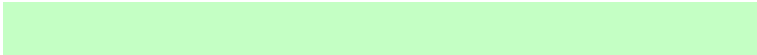
99.2486, 87.2413, 132.2961



95.0881, 87.2413, 57.4414

Rectangle

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



68.4888, 87.2413, 65.4541



65.5287, 87.2413, 107.8443



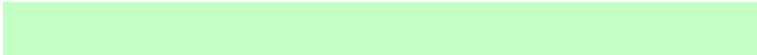
99.2486, 87.2413, 132.2961



103.1450, 87.2413, 83.2017

Sweetspot

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



68.4894, 87.2416, 65.4555



86.0432, 95.6736, 94.1678



86.9640, 96.7656, 66.3196



18.2592, 20.4024, 19.8980



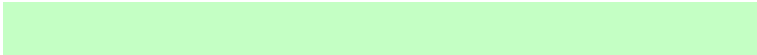
0.0000, 0.0000, 0.0000



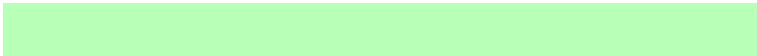
20.3446, 21.4041, 23.3091

Same Dimension

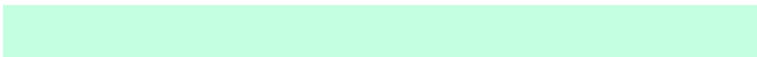
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.4894, 87.2416, 65.4555



64.0414, 85.1050, 58.1800



72.1844, 88.7196, 84.9129



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2285



1.8193, 3.6387, 0.6065

Inverse Universe

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



79.0301, 67.9605, 103.5594



76.3474, 62.5950, 102.6650



74.6393, 66.2041, 80.4376



18.7928, 18.3004, 22.7917



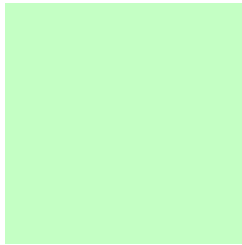
30.9800, 14.8813, 50.6726



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 68.4888, 87.2413, 65.4541 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 68.4888, 87.2413, 65.4541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

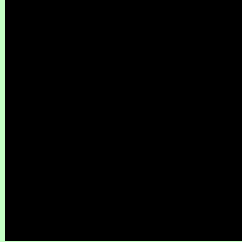
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4888, 87.2413, 65.4541

Background



This preview shows how black text looks on a background with the XYZ color 68.4888, 87.2413, 65.4541.



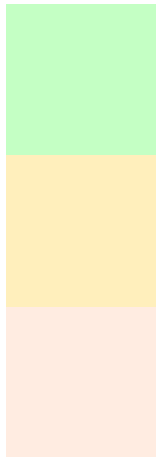
This preview shows how white text looks on a background with the XYZ color 68.4888, 87.2413,

65.4541.

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

68.4888, 87.2413, 65.4541

Protanopia

81.1836, 86.6238, 60.0182

Deuteranopia

84.8261, 86.6871, 83.4956



Tritanopia

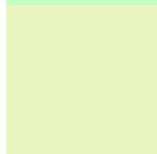
80.2248, 86.8508, 107.1433

Trichromacy



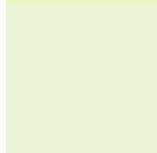
Original Color

68.4888, 87.2413, 65.4541



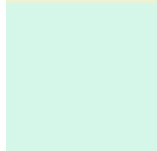
Protanomaly

75.9881, 86.5588, 61.9927



Deuteranomaly

78.1199, 86.4486, 76.1872



Tritanomaly

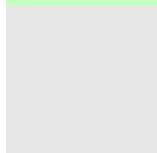
75.5526, 86.6082, 90.5769

Monochromacy



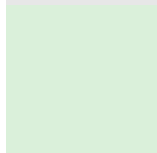
Original Color

68.4888, 87.2413, 65.4541



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

72.7284, 82.2876, 78.3796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4888, 87.2413, 65.4541 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(196, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 196)  
}
```

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(196, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 196) }
```

Border

The CSS property to change the border of an element to XYZ 68.4888, 87.2413, 65.4541 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(196, 255, 196) }
```


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

```
.border{ border-color:rgb(196, 255, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4888, 87.2413, 65.4541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 196) }
```

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

```
.background{ background-color: rgb(196,  
255, 196) }
```

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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