

Converting Colors

XYZ(98.6671, 152.6210,
59.2353)

Have a look what the booklet for
XYZ(98.6671, 152.6210, 59.2353)
contains.

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Color

**XYZ(65.4868, 86.0707,
48.2837)**

Conversions

Conversions Part 1

Format	Color
Hex	C5FFA4
RGB	197, 255, 164
RGB Percent	77%, 100%, 64%
CMY	0.2274, 0.0000, 0.3569
CMYK	0.23, 0.00, 0.36, 0.00
HSL	98°, 100%, 82%
HSV	98°, 36%, 100%
XYZ	65.4868, 86.0707, 48.2837
YIQ	227.2840, -5.3570, -40.5970

Conversions

Conversions Part 2

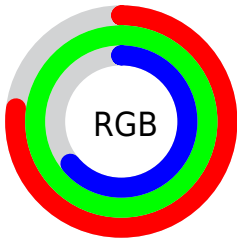
Format	Color
RYB	164, 255, 222
Decimal	12976036
CIELab	94.34, -34.00, 37.73
CIELCh	94, 50.792, 132.023
Yxy	86.0707, 0.3277, 0.4307
Android (android.graphics.Color)	4291166116 (0xFFC5FFA4)
YUV	227.2840, -31.1990, -26.5591
Hunter-Lab	92.7743, -36.3568, 34.0850

Details

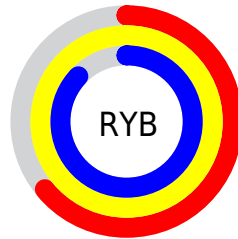
The XYZ color **65.4868, 86.0707, 48.2837** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **61.4507, 49.3018, 100.8851**, and the grayscale version is **73.4428, 77.2675, 84.1443**.

A 20% lighter version of the original color is **89.9183, 97.9473, 81.8767**, and **34.2187, 47.2866, 22.3626** is the 20% darker color. If you saturate the color by 10%, you get **59.3808, 83.1628, 37.1583**, and if you desaturate by 10%, it is **72.5142, 89.4001, 61.8647**.

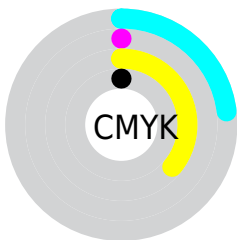
Distribution



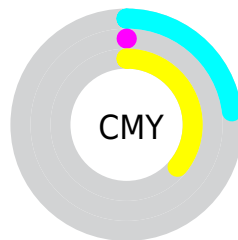
- Red (77%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (87%)



- Cyan (23%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.4868, 86.0707, 48.2837 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 65.4868, 86.0707, 48.2837 by changing the saturation by 10% instead.


 65.4868, 86.0707,
48.2837


 65.4868, 86.0707,
48.2837


434.0569,
515.1643, 396.4566

 48.1221, 64.7264,
33.6900


 111.8113,
141.8681, 88.9966

 34.1352, 47.2393,
22.3801


 141.5017,
177.0901, 115.9529

 23.1609, 33.2249,
13.9355


176.0314,
217.7068, 147.8672

 14.8337, 22.2988,
7.9376

215.7658,
264.1025, 185.1579

 8.7883, 14.0766,
3.9678

261.0702,
316.6618, 228.2437

 4.6594, 8.1740,
1.6077

312.3099,

 2.0815, 4.2065,

375.7689, 277.5430

0.2963

369.8504,
441.8083, 333.4745

■ 0.6791, 1.7897,
0.0000

■ 0.0000, 0.4807,
0.0000

■ 65.4868, 86.0707,
48.2837

■ 65.4868, 86.0707,
48.2837

■ 59.3808, 83.1628,
37.1583

■ 72.5142, 89.4001,
61.8647

■ 54.1529, 80.6575,
28.3379

■ 80.5011, 93.1679,
78.0321

■ 49.7574, 78.5348,
21.6611

■ 89.4848, 97.3906,
96.9120

■ 46.1435, 76.7724,
16.9443

95.0500, 100.0000,
108.9000

■ 43.2535, 75.3454,
13.9730

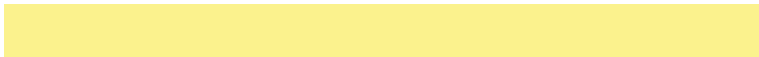
■ 41.0189, 74.2241,
12.4814

■ 40.2207, 73.8196,
12.1288

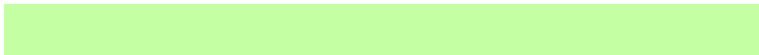
Harmonies

Analogous

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



76.4685, 86.0707, 37.8036



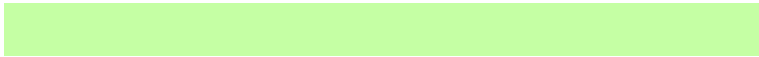
65.4868, 86.0707, 48.2837



59.3246, 86.0707, 72.4068

Triad

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



65.4868, 86.0707, 48.2837



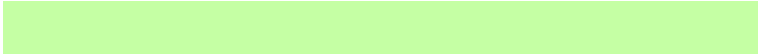
73.9824, 86.0707, 184.7785



110.2124, 86.0707, 78.9339

Complementary

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



65.4868, 86.0707, 48.2837



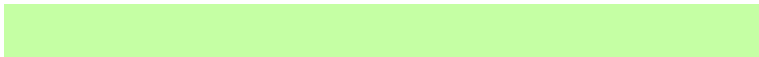
61.4507, 49.3018, 100.8851

Split Complementary

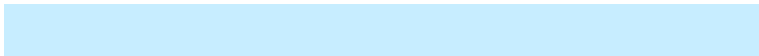
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



109.3553, 86.0707, 118.8436



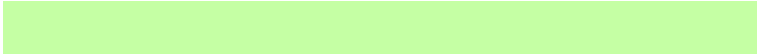
65.4868, 86.0707, 48.2837



87.3896, 86.0707, 187.9692

Square

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



65.4868, 86.0707, 48.2837



63.8414, 86.0707, 153.4802



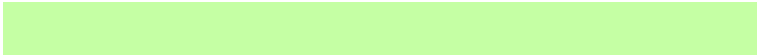
100.6370, 86.0707, 161.2671



102.8631, 86.0707, 51.9137

Rectangle

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



65.4868, 86.0707, 48.2837



58.3109, 86.0707, 96.3916



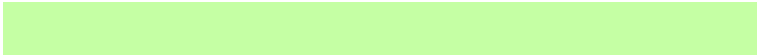
100.6370, 86.0707, 161.2671



110.8952, 86.0707, 91.0911

Sweetspot

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



65.4872, 86.0708, 48.2850



84.5839, 95.0888, 86.5328



73.9653, 75.9889, 45.8921



17.8467, 20.2317, 17.9818



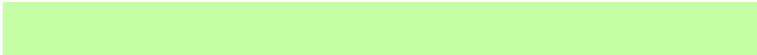
0.0000, 0.0000, 0.0000



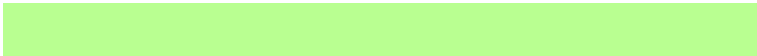
20.3446, 21.4041, 23.3091

Same Dimension

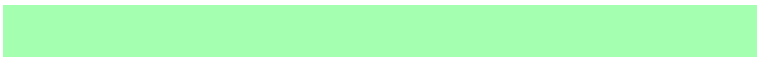
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.4872, 86.0708, 48.2850



60.9325, 83.9034, 39.9133



58.9203, 82.5527, 53.9735



18.3934, 20.4887, 19.1296



21.1647, 38.6489, 6.3445



2.1754, 3.8222, 0.6231

Inverse Universe

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



61.4507, 49.3018, 100.8851



56.3233, 42.0611, 99.7578



70.6735, 54.2749, 91.4400



18.1164, 17.9518, 22.7601



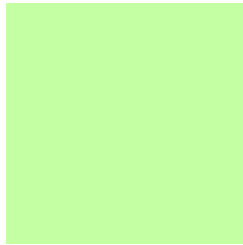
17.4431, 7.9027, 50.0406



1.8182, 0.8312, 4.8779

Previews

White Background



This preview shows how the XYZ color 65.4868, 86.0707, 48.2837 looks on a white background.

Color Contrast Check

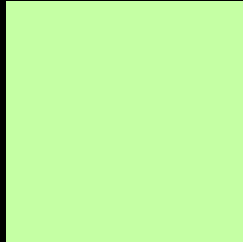
Large Text (above 18pt) WCAG AA × Fail

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 65.4868, 86.0707, 48.2837 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

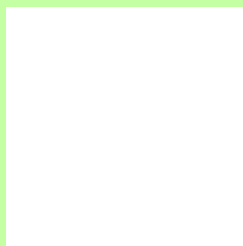
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.4868, 86.0707, 48.2837

Background



This preview shows how black text looks on a background with the XYZ color 65.4868, 86.0707, 48.2837.

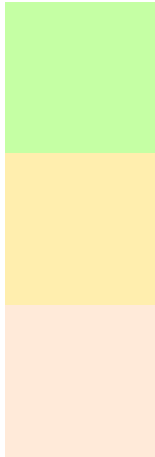


This preview shows how white text looks on a background with the XYZ color 65.4868, 86.0707,

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

65.4868, 86.0707, 48.2837

Protanopia

79.4545, 85.4651, 52.3531

Deuteranopia

83.1872, 85.1154, 77.6901



Tritanopia

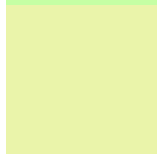
79.3241, 85.5027, 106.9306

Trichromacy



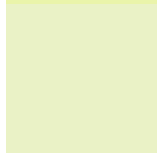
Original Color

65.4868, 86.0707, 48.2837



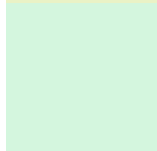
Protanomaly

73.5381, 85.0961, 50.5795



Deuteranomaly

75.8769, 85.0739, 65.8478



Tritanomaly

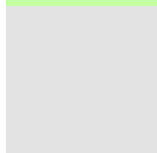
73.2920, 85.1825, 81.6862

Monochromacy



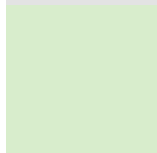
Original Color

65.4868, 86.0707, 48.2837



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.5022, 79.5269, 68.8138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4868, 86.0707, 48.2837 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 164) }
```

Border

The CSS property to change the border of an element to XYZ 65.4868, 86.0707, 48.2837 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, 164) }
```


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

```
.border{ border-color:rgb(197, 255, 164) }
```

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, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 164);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4868, 86.0707, 48.2837 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, 164) }
```

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

```
.background{ background-color: rgb(197,  
255, 164) }
```

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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