

Converting Colors

XYZ(64.8803, 85.7492, 48.6510)

Have a look what the booklet for
XYZ(64.8803, 85.7492, 48.6510)
contains.

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Color

**XYZ(64.7997, 85.7059,
48.7249)**

Conversions

Conversions Part 1

Format	Color
Hex	C2FFA5
RGB	194, 255, 165
RGB Percent	76%, 100%, 65%
CMY	0.2392, 0.0000, 0.3529
CMYK	0.24, 0.00, 0.35, 0.00
HSL	101°, 100%, 82%
HSV	101°, 35%, 100%
XYZ	64.7997, 85.7059, 48.7249
YIQ	226.5010, -7.4660, -40.9220

Conversions

Conversions Part 2

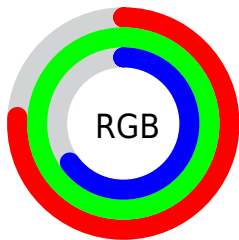
Format	Color
RYB	165, 255, 226
Decimal	12779429
CIELab	94.19, -34.88, 37.00
CIELCh	94, 50.848, 133.310
Yxy	85.7059, 0.3252, 0.4302
Android (android.graphics.Color)	4290969509 (0xFFC2FFA5)
YUV	226.5010, -30.3200, -28.5034
Hunter-Lab	92.5775, -37.0693, 33.5990

Details

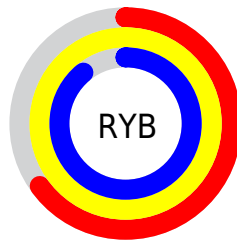
The XYZ color **64.7997, 85.7059, 48.7249** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **62.8702, 50.3003, 101.0030**, and the grayscale version is **72.8679, 76.6627, 83.4857**.

A 20% lighter version of the original color is **88.9560, 97.4359, 82.5251**, and **33.7662, 47.0470, 22.6305** is the 20% darker color. If you saturate the color by 10%, you get **58.5242, 82.7128, 37.4997**, and if you desaturate by 10%, it is **72.0549, 89.1507, 62.4139**.

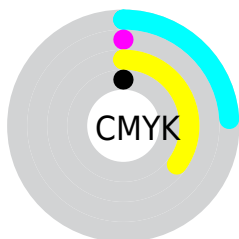
Distribution



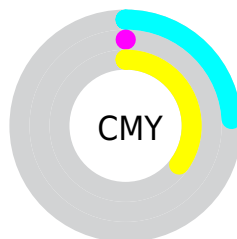
- Red (76%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (89%)



- Cyan (24%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.7997, 85.7059, 48.7249 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 64.7997, 85.7059, 48.7249 by changing the saturation by 10% instead.


 64.7997, 85.7059,
48.7249


 64.7997, 85.7059,
48.7249

431.6284,
513.9610, 398.2496

 47.5628, 64.4248,
34.0372


 110.8292,
141.3590, 89.6595

 33.6906, 46.9948,
22.6446


 140.3524,
176.4998, 116.7435

 22.8178, 33.0316,
14.1285


174.7018,
217.0293, 148.7967

 14.5790, 22.1506,
8.0703

214.2427,
263.3319, 186.2376

 8.6088, 13.9676,
4.0516

259.3404,
315.7919, 229.4849

 4.5420, 8.0981,
1.6537

310.3604,

 2.0131, 4.1578,

374.7939, 278.9569

0.3287

367.6680,
440.7221, 335.0723

■ 0.6413, 1.7622,
0.0000

■ 0.0000, 0.4635,
0.0000

■ 64.7997, 85.7059,
48.7249

■ 64.7997, 85.7059,
48.7249

■ 58.5242, 82.7128,
37.4997

■ 72.0549, 89.1507,
62.4139

■ 53.1817, 80.1503,
28.5880

■ 80.3305, 93.0651,
78.6970

■ 48.7235, 77.9970,
21.8290

■ 89.6664, 97.4670,
97.7004

■ 45.0953, 76.2289,
17.0399

95.0500, 100.0000,
108.9000

■ 42.2356, 74.8188,
14.0074

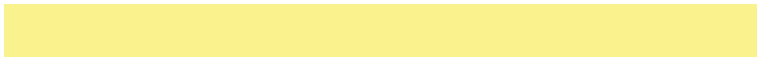
■ 40.0720, 73.7353,
12.4682

■ 39.2540, 73.3212,
12.0835

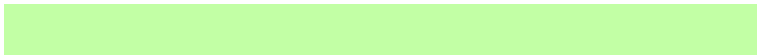
Harmonies

Analogous

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



75.5847, 85.7059, 37.7444



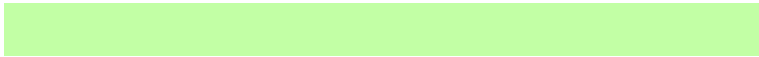
64.7997, 85.7059, 48.7249



58.8816, 85.7059, 73.4112

Triad

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



64.7997, 85.7059, 48.7249



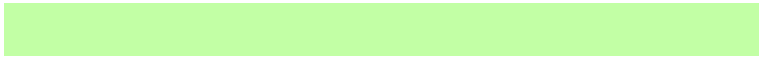
74.1755, 85.7059, 185.0673



109.6666, 85.7059, 77.1097

Complementary

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



64.7997, 85.7059, 48.7249



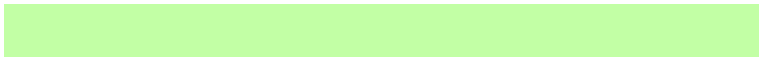
62.8702, 50.3003, 101.0030

Split Complementary

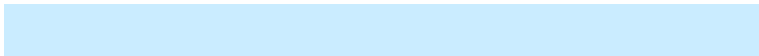
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



109.1804, 85.7059, 116.5354



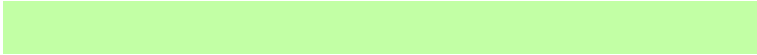
64.7997, 85.7059, 48.7249



87.6340, 85.7059, 186.8788

Square

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



64.7997, 85.7059, 48.7249



63.8674, 85.7059, 154.7317



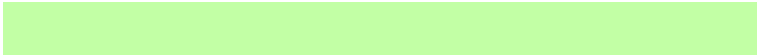
100.7580, 85.7059, 159.1512



102.0207, 85.7059, 50.7796

Rectangle

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



64.7997, 85.7059, 48.7249



58.0331, 85.7059, 97.7127



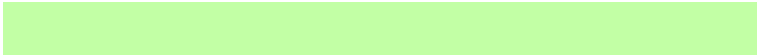
100.7580, 85.7059, 159.1512



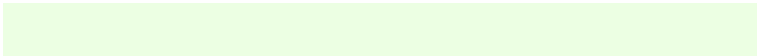
110.4722, 85.7059, 89.0593

Sweetspot

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



64.8002, 85.7062, 48.7262



84.2063, 94.8941, 86.5151



74.9572, 77.8276, 46.6701



17.7571, 20.1855, 17.9776



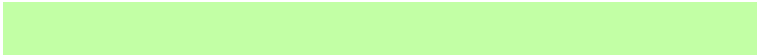
0.0000, 0.0000, 0.0000



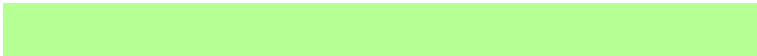
20.3446, 21.4041, 23.3091

Same Dimension

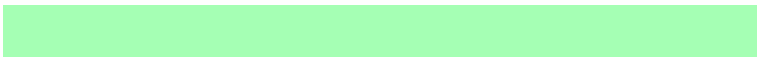
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.8002, 85.7062, 48.7262



60.4855, 83.6499, 40.9336



59.5161, 82.8150, 56.0293



18.3226, 20.4522, 19.1263



20.6484, 38.3827, 6.3203



2.1190, 3.7931, 0.6205

Inverse Universe

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



62.8702, 50.3003, 101.0030



58.2883, 43.6608, 99.9630



70.4239, 54.4625, 89.2390



18.1902, 17.9898, 22.7636



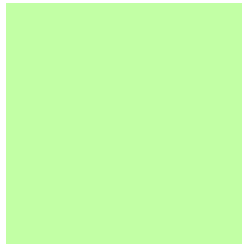
18.5803, 8.4890, 50.0938



1.9234, 0.8854, 4.8828

Previews

White Background



This preview shows how the XYZ color 64.7997, 85.7059, 48.7249 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 64.7997, 85.7059, 48.7249 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 64.7997, 85.7059, 48.7249

Background



This preview shows how black text looks on a background with the XYZ color 64.7997, 85.7059, 48.7249.



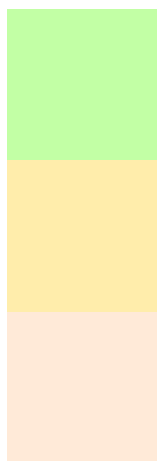
This preview shows how white text looks on a background with the XYZ color 64.7997, 85.7059,

48.7249.

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

64.7997, 85.7059, 48.7249

Protanopia

78.8749, 84.7686, 50.7329

Deuteranopia

83.0575, 85.0635, 77.0070



Tritanopia

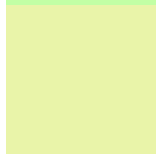
78.7187, 85.1907, 106.9023

Trichromacy



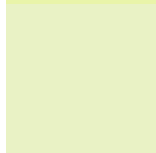
Original Color

64.7997, 85.7059, 48.7249



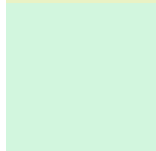
Protanomaly

73.1164, 84.8896, 50.0678



Deuteranomaly

75.4344, 84.8591, 65.2270



Tritanomaly

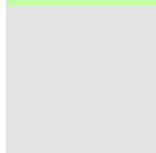
72.7189, 84.8871, 81.6594

Monochromacy



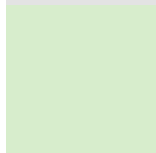
Original Color

64.7997, 85.7059, 48.7249



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.2076, 79.3751, 68.8000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7997, 85.7059, 48.7249 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(194, 255, 165)` looks like.

```
.text, #text, p{  
    color:rgb(194, 255, 165)  
}
```

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(194, 255, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 165) }
```

Border

The CSS property to change the border of an element to XYZ 64.7997, 85.7059, 48.7249 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(194, 255, 165) }
```


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

```
.border{ border-color:rgb(194, 255, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 255, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(194, 255, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(194, 255, 165); box-shadow:4px 4px 4px 4px rgb(194, 255, 165) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7997, 85.7059, 48.7249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 255, 165) }
```

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

```
.background{ background-color: rgb(194,  
255, 165) }
```

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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