

Converting Colors

XYZ(64.3726, 85.4678, 49.5151)

Have a look what the booklet for
XYZ(64.3726, 85.4678, 49.5151)
contains.

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Color

**XYZ(64.4733, 85.5165,
49.6674)**

Conversions

Conversions Part 1

Format	Color
Hex	C0FFA7
RGB	192, 255, 167
RGB Percent	75%, 100%, 65%
CMY	0.2471, 0.0000, 0.3451
CMYK	0.25, 0.00, 0.35, 0.00
HSL	103°, 100%, 83%
HSV	103°, 35%, 100%
XYZ	64.4733, 85.5165, 49.6674
YIQ	226.1310, -9.3000, -40.7240

Conversions

Conversions Part 2

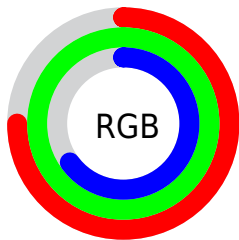
Format	Color
RYB	167, 255, 230
Decimal	12648359
CIELab	94.11, -35.27, 35.88
CIELCh	94, 50.311, 134.508
Yxy	85.5165, 0.3229, 0.4283
Android (android.graphics.Color)	4290838439 (0xFFC0FFA7)
YUV	226.1310, -29.1516, -29.9329
Hunter-Lab	92.4751, -37.3820, 32.8886

Details

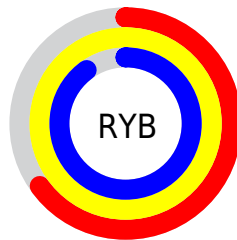
The XYZ color **64.4733, 85.5165, 49.6674** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **64.5028, 51.6816, 101.1836**, and the grayscale version is **72.5922, 76.3726, 83.1698**.

A 20% lighter version of the original color is **88.5036, 97.1717, 83.9034**, and **33.5479, 46.9214, 23.2082** is the 20% darker color. If you saturate the color by 10%, you get **58.0040, 82.4275, 38.2488**, and if you desaturate by 10%, it is **71.9817, 89.0875, 63.5634**.

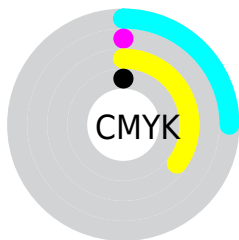
Distribution



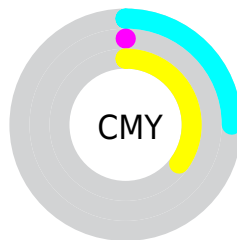
- Red (75%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (90%)



- Cyan (25%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)



- Cyan (25%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4733, 85.5165, 49.6674 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 64.4733, 85.5165, 49.6674 by changing the saturation by 10% instead.

64.4733, 85.5165,
49.6674

64.4733, 85.5165,
49.6674

430.4720,
513.3356, 402.0616

47.2972, 64.2682,
34.7799

110.3622,
141.0946, 91.0731

33.4796, 46.8680,
23.2112

139.8058,
176.1932, 118.4284

22.6551, 32.9313,
14.5427

174.0692,
216.6774, 150.7766

14.4583, 22.0738,
8.3561

213.5179,
262.9315, 188.5364

8.5240, 13.9111,
4.2326

258.5171,
315.3400, 232.1262

4.4866, 8.0589,
1.7538

309.4323,

1.9809, 4.1327,

374.2872, 281.9647

0.3972

366.6288,
440.1576, 338.4703

0.6232, 1.7480,
0.0000

0.0000, 0.4545,
0.0000

64.4733, 85.5165,
49.6674

64.4733, 85.5165,
49.6674

58.0040, 82.4275,
38.2488

71.9817, 89.0875,
63.5634

52.5241, 79.7981,
29.1580

80.5731, 93.1601,
80.0664

47.9817, 77.6049,
22.2357

90.2899, 97.7536,
99.3020

44.3188, 75.8220,
17.3007

95.0500, 100.0000,
108.9000

■ 41.4702, 74.4205,
14.1423

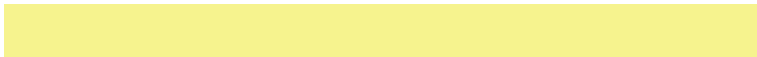
■ 39.3595, 73.3665,
12.5022

■ 38.4654, 72.9147,
12.0466

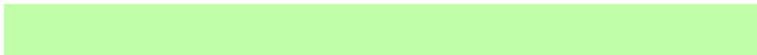
Harmonies

Analogous

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



74.9755, 85.5165, 38.2585



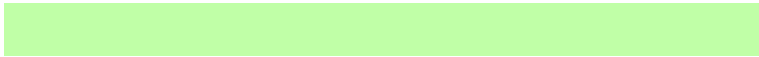
64.4733, 85.5165, 49.6674



58.8286, 85.5165, 74.7060

Triad

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



64.4733, 85.5165, 49.6674



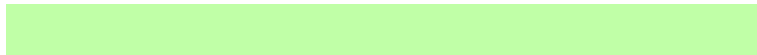
74.5701, 85.5165, 184.2257



108.9623, 85.5165, 75.7708

Complementary

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



64.4733, 85.5165, 49.6674



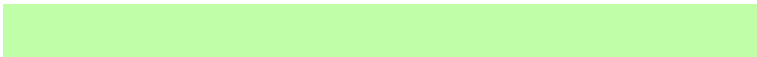
64.5028, 51.6816, 101.1836

Split Complementary

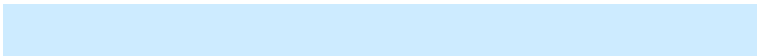
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.8227, 85.5165, 114.3193



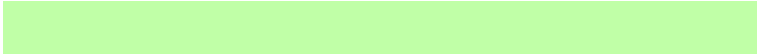
64.4733, 85.5165, 49.6674



87.9302, 85.5165, 184.7445

Square

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



64.4733, 85.5165, 49.6674



64.2048, 85.5165, 155.2483



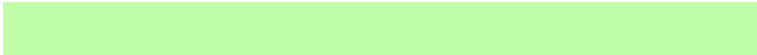
100.7817, 85.5165, 156.5151



101.1442, 85.5165, 50.2607

Rectangle

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



64.4733, 85.5165, 49.6674



58.1387, 85.5165, 99.0541



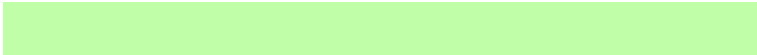
100.7817, 85.5165, 156.5151



109.8697, 85.5165, 87.4142

Sweetspot

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



64.4737, 85.5167, 49.6687



84.8124, 95.1656, 88.3940



76.1243, 79.8680, 47.9643



17.8652, 20.2331, 18.3515



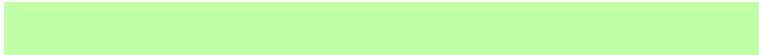
0.0000, 0.0000, 0.0000



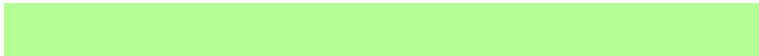
20.3446, 21.4041, 23.3091

Same Dimension

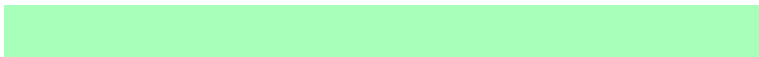
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.4737, 85.5167, 49.6687



60.1588, 83.4579, 41.9828



60.4119, 83.2218, 58.5583



18.2561, 20.4179, 19.1232



20.2245, 38.1642, 6.3005



2.0708, 3.7683, 0.6182

Inverse Universe

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



64.5028, 51.6816, 101.1836



60.1731, 45.2323, 100.1670



70.4038, 55.0362, 87.3403



18.2603, 18.0259, 22.7669



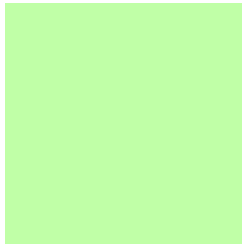
19.7349, 9.0842, 50.1479



2.0289, 0.9398, 4.8877

Previews

White Background



This preview shows how the XYZ color 64.4733, 85.5165, 49.6674 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 64.4733, 85.5165, 49.6674 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

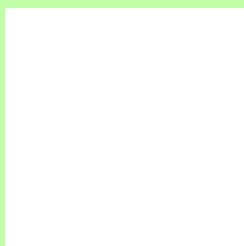
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.4733, 85.5165, 49.6674

Background



This preview shows how black text looks on a background with the XYZ color 64.4733, 85.5165, 49.6674.



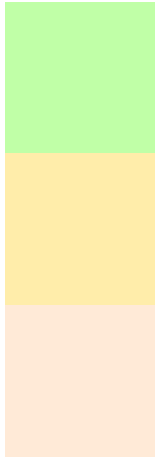
This preview shows how white text looks on a background with the XYZ color 64.4733, 85.5165,

49.6674.

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

64.4733, 85.5165, 49.6674

Protanopia

78.7799, 84.7307, 50.2327

Deuteranopia

82.9286, 85.0119, 76.3281



Tritanopia

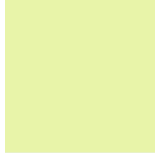
78.1206, 84.8823, 106.8743

Trichromacy



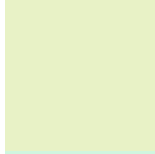
Original Color

64.4733, 85.5165, 49.6674



Protanomaly

72.7908, 84.7217, 50.0526



Deuteranomaly

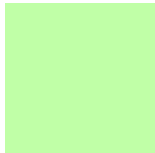
75.2239, 84.7373, 65.8173



Tritanomaly

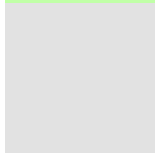
72.2875, 84.6491, 82.3410

Monochromacy



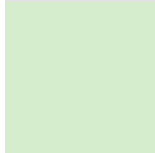
Original Color

64.4733, 85.5165, 49.6674



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.0352, 79.2723, 69.4201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4733, 85.5165, 49.6674 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(192, 255, 167)` looks like.

```
.text, #text, p{  
    color:rgb(192, 255, 167)  
}
```

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(192, 255, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 167) }
```

Border

The CSS property to change the border of an element to XYZ 64.4733, 85.5165, 49.6674 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(192, 255, 167) }
```


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

```
.border{ border-color:rgb(192, 255, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 255, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 255, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 255, 167);  
box-shadow:4px 4px 4px 4px rgb(192, 255,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4733, 85.5165, 49.6674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 255, 167) }
```

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

```
.background{ background-color: rgb(192,  
255, 167) }
```

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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