

Converting Colors

XYZ(63.9218, 85.3049, 46.3545)

Have a look what the booklet for
XYZ(63.9218, 85.3049, 46.3545)
contains.

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Color

**XYZ(63.8434, 85.2645,
46.3505)**

Conversions

Conversions Part 1

Format	Color
Hex	C0FFA0
RGB	192, 255, 160
RGB Percent	75%, 100%, 63%
CMY	0.2471, 0.0000, 0.3725
CMYK	0.25, 0.00, 0.37, 0.00
HSL	100°, 100%, 81%
HSV	100°, 37%, 100%
XYZ	63.8434, 85.2645, 46.3505
YIQ	225.3330, -7.0530, -42.9010

Conversions

Conversions Part 2

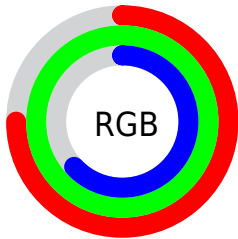
Format	Color
RYB	160, 255, 223
Decimal	12648352
CIELab	94.00, -36.24, 39.20
CIElCh	94, 53.383, 132.752
Yxy	85.2645, 0.3266, 0.4362
Android (android.graphics.Color)	4290838432 (0xFFC0FFA0)
YUV	225.3330, -32.2092, -29.2330
Hunter-Lab	92.3388, -38.1772, 34.8759

Details

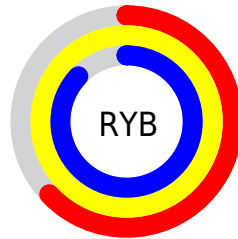
The XYZ color **63.8434, 85.2645, 46.3505** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **61.0533, 48.0509, 100.6646**, and the grayscale version is **72.0355, 75.7870, 82.5320**.

A 20% lighter version of the original color is **87.5790, 96.8019, 79.0345**, and **33.0013, 46.6839, 21.1815** is the 20% darker color. If you saturate the color by 10%, you get **57.7976, 82.3797, 35.5932**, and if you desaturate by 10%, it is **70.8396, 88.5865, 59.5430**.

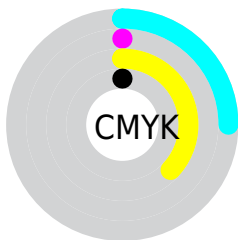
Distribution



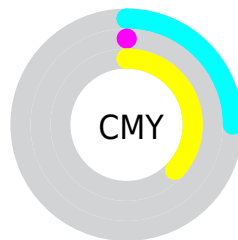
- Red (75%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (87%)



- Cyan (25%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8434, 85.2645, 46.3505 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 63.8434, 85.2645, 46.3505 by changing the saturation by 10% instead.


 63.8434, 85.2645,
46.3505


 63.8434, 85.2645,
46.3505


428.2351,
512.5029, 388.5344

 46.7851, 64.0600,
32.1718


 109.4604,
140.7427, 86.0831

 33.0730, 46.6992,
21.2269


 138.7497,
175.7851, 112.4741

 22.3419, 32.7980,
13.0971


172.8468,
216.2089, 143.7730

 14.2263, 21.9717,
7.3639

212.1169,
262.3985, 180.3983

 8.3610, 13.8361,
3.6088

256.9254,
314.7383, 222.7686

 4.3805, 8.0068,
1.4133

307.6377,

 1.9196, 4.0993,

373.6127, 271.3023

0.1521

364.6192,
439.4061, 326.4181

■ 0.5882, 1.7293,
0.0000

■ 0.0000, 0.4425,
0.0000

■ 63.8434, 85.2645,
46.3505

■ 63.8434, 85.2645,
46.3505

■ 57.7976, 82.3797,
35.5932

■ 70.8396, 88.5865,
59.5430

■ 52.6563, 79.9115,
27.1180

■ 78.8266, 92.3633,
75.3031

■ 48.3710, 77.8386,
20.7607

■ 87.8436, 96.6126,
93.7586

■ 44.8877, 76.1373,
16.3335

95.0500, 100.0000,
108.9000

■ 42.1449, 74.7806,
13.6154

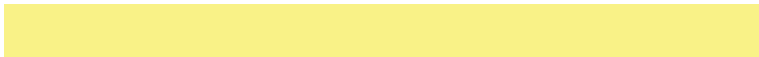
■ 40.0671, 73.7360,
12.3218

■ 39.5878, 73.4933,
12.0991

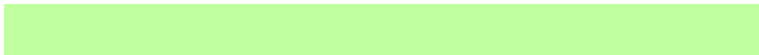
Harmonies

Analogous

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



75.1481, 85.2645, 35.4464



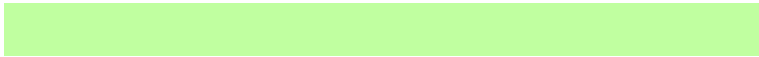
63.8434, 85.2645, 46.3505



57.6089, 85.2645, 71.4791

Triad

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



63.8434, 85.2645, 46.3505



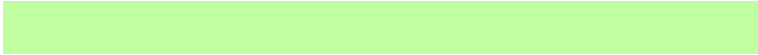
73.1926, 85.2645, 189.6401



110.7793, 85.2645, 76.5872

Complementary

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



63.8434, 85.2645, 46.3505



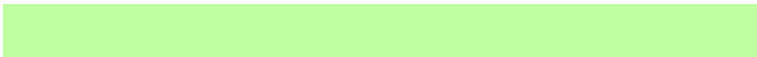
61.0533, 48.0509, 100.6646

Split Complementary

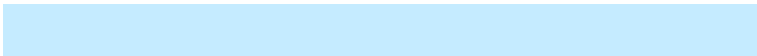
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.0960, 85.2645, 118.0783



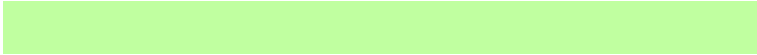
63.8434, 85.2645, 46.3505



87.2349, 85.2645, 192.2147

Square

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



63.8434, 85.2645, 46.3505



62.5567, 85.2645, 156.8722



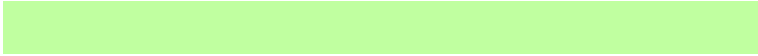
101.0797, 85.2645, 163.1238



102.8497, 85.2645, 49.1420

Rectangle

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



63.8434, 85.2645, 46.3505



56.6588, 85.2645, 96.6533



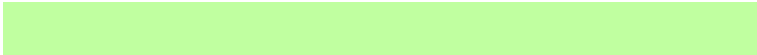
101.0797, 85.2645, 163.1238



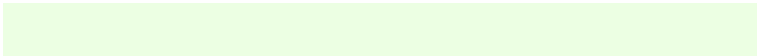
111.5739, 85.2645, 89.1255

Sweetspot

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



63.8438, 85.2647, 46.3518



84.3426, 94.9644, 86.5215



73.6406, 75.9085, 44.0295



17.7894, 20.2022, 17.9791



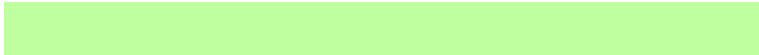
0.0000, 0.0000, 0.0000



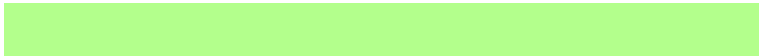
20.3446, 21.4041, 23.3091

Same Dimension

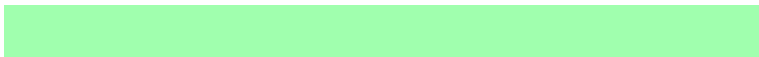
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.8438, 85.2647, 46.3518



59.0797, 82.9928, 37.8131



57.9224, 82.0597, 52.9598



18.3481, 20.4654, 19.1275



20.8271, 38.4748, 6.3287



2.1387, 3.8033, 0.6214

Inverse Universe

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



61.0533, 48.0509, 100.6646



55.8867, 40.7014, 99.5183



69.6512, 52.7385, 89.5323



18.1635, 17.9760, 22.7623



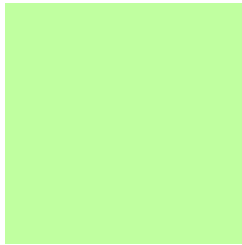
18.1588, 8.2717, 50.0741



1.8845, 0.8654, 4.8810

Previews

White Background



This preview shows how the XYZ color 63.8434, 85.2645, 46.3505 looks on a white background.

Color Contrast Check

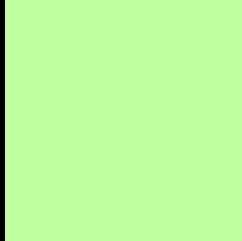
Large Text (above 18pt) WCAG AA × Fail

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 63.8434, 85.2645, 46.3505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

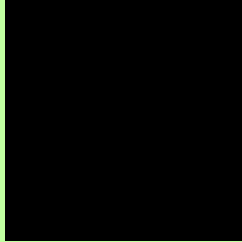
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

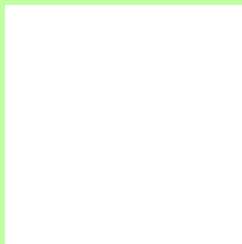
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.8434, 85.2645, 46.3505

Background



This preview shows how black text looks on a background with the XYZ color 63.8434, 85.2645, 46.3505.



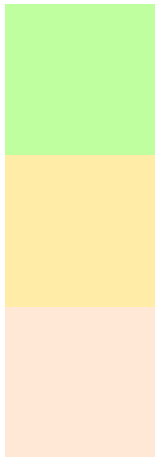
This preview shows how white text looks on a background with the XYZ color 63.8434, 85.2645,

46.3505.

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

63.8434, 85.2645, 46.3505

Protanopia

78.4992, 84.6184, 48.7548

Deuteranopia

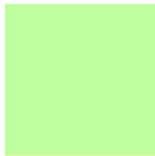
82.5165, 84.3929, 75.5587



Tritanopia

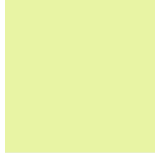
78.1206, 84.8823, 106.8743

Trichromacy



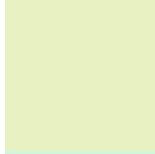
Original Color

63.8434, 85.2645, 46.3505



Protanomaly

72.3302, 84.5375, 47.6271



Deuteranomaly

74.4716, 83.9614, 63.3200



Tritanomaly

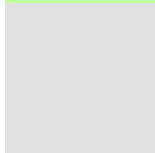
71.8865, 84.4887, 80.2293

Monochromacy



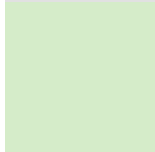
Original Color

63.8434, 85.2645, 46.3505



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

67.9786, 78.3541, 66.7993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8434, 85.2645, 46.3505 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(192, 255, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 160) }
```

Border

The CSS property to change the border of an element to XYZ 63.8434, 85.2645, 46.3505 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, 160) }
```


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

```
.border{ border-color:rgb(192, 255, 160) }
```

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, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(192, 255,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8434, 85.2645, 46.3505 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, 160) }
```

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

```
.background{ background-color: rgb(192,  
255, 160) }
```

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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