

Converting Colors

XYZ(64.9402, 84.6745, 44.1742)

Have a look what the booklet for
XYZ(64.9402, 84.6745, 44.1742)
contains.

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Color

**XYZ(64.8985, 84.4386,
44.3303)**

Conversions

Conversions Part 1

Format	Color
Hex	C9FC9C
RGB	201, 252, 156
RGB Percent	79%, 99%, 61%
CMY	0.2118, 0.0117, 0.3882
CMYK	0.20, 0.00, 0.38, 0.01
HSL	92°, 94%, 80%
HSV	92°, 38%, 99%
XYZ	64.8985, 84.4386, 44.3303
YIQ	225.8070, 0.4200, -40.6680

Conversions

Conversions Part 2

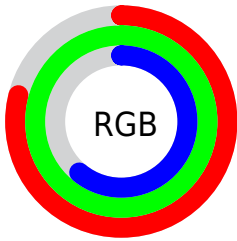
Format	Color
RYB	156, 252, 207
Decimal	13237404
CIELab	93.64, -32.30, 40.80
CIELCh	94, 52.042, 128.368
Yxy	84.4386, 0.3351, 0.4360
Android (android.graphics.Color)	4291427484 (0xFFC9FC9C)
YUV	225.8070, -34.4149, -21.7557
Hunter-Lab	91.8905, -34.7411, 35.7203

Details

The XYZ color **64.8985, 84.4386, 44.3303** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **55.1950, 44.0731, 97.6980**, and the grayscale version is **72.3918, 76.1618, 82.9402**.

A 20% lighter version of the original color is **88.7579, 97.4831, 75.7661**, and **33.6403, 46.0292, 19.9435** is the 20% darker color. If you saturate the color by 10%, you get **59.5389, 81.8998, 34.0727**, and if you desaturate by 10%, it is **71.0188, 87.3237, 56.9376**.

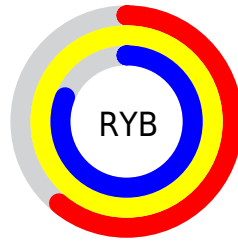
Distribution



Red (79%)

Green (99%)

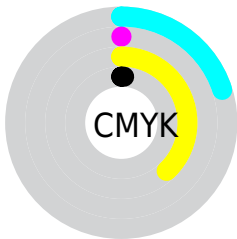
Blue (61%)



Red (61%)

Yellow (99%)

Blue (81%)

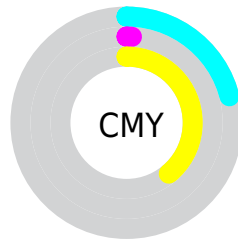


Cyan (20%)

Magenta (0%)

Yellow (38%)

Black (1%)



Cyan (21%)


Magenta (1%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.8985, 84.4386, 44.3303 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 64.8985, 84.4386, 44.3303 by changing the saturation by 10% instead.


 64.8985, 84.4386,
44.3303


 64.8985, 84.4386,
44.3303


431.9781,
509.7686, 380.1352

 47.6432, 63.3776,
30.5912


 110.9704,
139.5885, 83.0223

 33.7545, 46.1468,
20.0319


 140.5178,
174.4463, 108.8122

 22.8670, 32.3617,
12.2339


174.8931,
214.6718, 139.4562

 14.6155, 21.6379,
6.7787

214.4619,
260.6493, 175.3727

 8.6345, 13.5911,
3.2478

259.5894,
312.7634, 216.9803

 4.5588, 7.8368,
1.2225

310.6411,

 2.0229, 3.9907,

371.3984, 264.6976

0.0000

367.9822,
436.9386, 318.9430

0.6468, 1.6684,
0.0000

0.0000, 0.4030,
0.0000

64.8985, 84.4386,
44.3303

64.8985, 84.4386,
44.3303

59.5389, 81.8998,
34.0727

71.0188, 87.3237,
56.9376

54.8982, 79.6809,
26.0139

77.9264, 90.5579,
72.0224

50.9395, 77.7693,
19.9935

85.6541, 94.1582,
89.7097

47.6191, 76.1464,
15.8276

93.9388, 98.0201,
108.5764

■ 44.8870, 74.7910,
13.2986

■ 94.1022, 98.1043,
108.5841

■ 42.6771, 73.6758,
12.1094

■ 42.2993, 73.4841,
11.9545

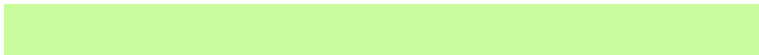
Harmonies

Analogous

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



76.4595, 84.4386, 35.4186



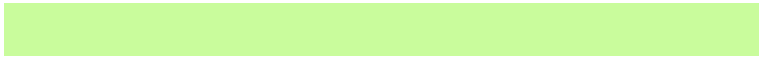
64.8985, 84.4386, 44.3303



58.0470, 84.4386, 66.6914

Triad

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



64.8985, 84.4386, 44.3303



70.8735, 84.4386, 182.1285



109.4494, 84.4386, 81.3261

Complementary

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



64.8985, 84.4386, 44.3303



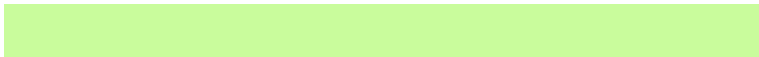
55.1950, 44.0731, 97.6980

Split Complementary

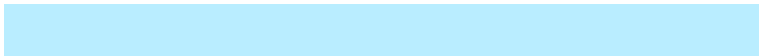
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.5116, 84.4386, 122.8692



64.8985, 84.4386, 44.3303



84.1769, 84.4386, 189.3835

Square

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



64.8985, 84.4386, 44.3303



61.2116, 84.4386, 147.5839



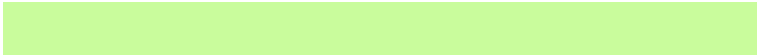
97.8640, 84.4386, 165.2493



102.8907, 84.4386, 52.4025

Rectangle

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



64.8985, 84.4386, 44.3303



56.5638, 84.4386, 89.7930



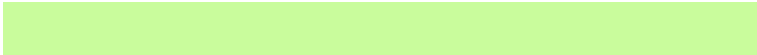
97.8640, 84.4386, 165.2493



109.7836, 84.4386, 94.1195

Sweetspot

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



64.9006, 84.4423, 44.3321



85.5864, 95.6056, 86.5797



68.1241, 67.0492, 40.8050



18.0850, 20.3546, 17.9929



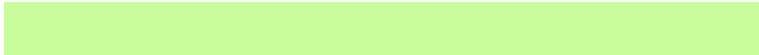
0.0000, 0.0000, 0.0000



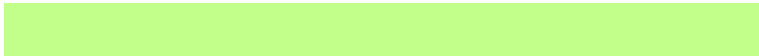
20.3446, 21.4041, 23.3091

Same Dimension

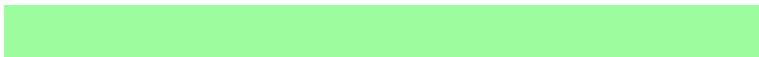
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.9006, 84.4423, 44.3321



62.2365, 84.6417, 36.9883



54.6604, 79.1475, 44.5649



17.7909, 19.7080, 18.3287



22.1999, 38.3628, 6.2347



2.1773, 3.6155, 0.5831

Inverse Universe

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



55.1950, 44.0731, 97.6980



50.9204, 37.5932, 99.1802



69.3549, 51.4020, 97.0425



17.1636, 17.0970, 21.7807



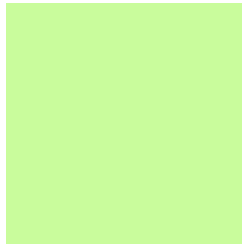
14.4365, 6.3850, 48.4451



1.4595, 0.6545, 4.4926

Previews

White Background



This preview shows how the XYZ color 64.8985, 84.4386, 44.3303 looks on a white background.

Color Contrast Check

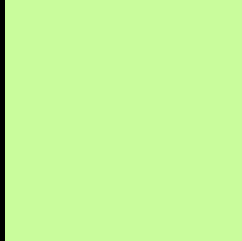
Large Text (above 18pt) WCAG AA × Fail

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 64.8985, 84.4386, 44.3303 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

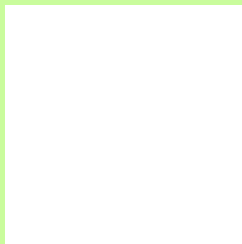
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.8985, 84.4386, 44.3303

Background



This preview shows how black text looks on a background with the XYZ color 64.8985, 84.4386, 44.3303.

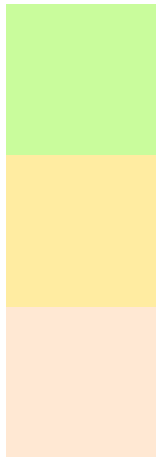


This preview shows how white text looks on a background with the XYZ color 64.8985, 84.4386,

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

64.8985, 84.4386, 44.3303

Protanopia

77.6685, 83.8241, 45.8043

Deuteranopia

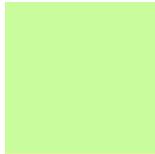
81.8545, 83.6764, 73.4650



Tritanopia

78.4317, 84.1686, 106.7201

Trichromacy



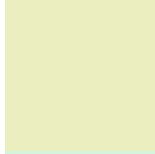
Original Color

64.8985, 84.4386, 44.3303



Protanomaly

72.2711, 83.6696, 45.1416



Deuteranomaly

74.5314, 83.1568, 61.4128



Tritanomaly

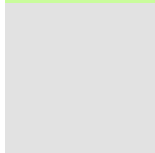
72.5774, 83.9620, 79.3989

Monochromacy



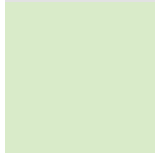
Original Color

64.8985, 84.4386, 44.3303



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

68.8662, 78.3854, 66.7586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8985, 84.4386, 44.3303 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(201, 252, 156)` looks like.

```
.text, #text, p{  
    color:rgb(201, 252, 156)  
}
```

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(201, 252, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 252, 156) }
```

Border

The CSS property to change the border of an element to XYZ 64.8985, 84.4386, 44.3303 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(201, 252, 156) }
```


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

```
.border{ border-color:rgb(201, 252, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 252, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 252, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 252, 156);  
box-shadow:4px 4px 4px 4px rgb(201, 252,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8985, 84.4386, 44.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 252, 156) }
```

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

```
.background{ background-color: rgb(201,  
252, 156) }
```

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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