

# Converting Colors

XYZ(63.2460, 84.7967, 39.9641)

Have a look what the booklet for  
XYZ(63.2460, 84.7967, 39.9641)  
contains.

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# Color

**XYZ(63.0583, 84.5301,  
39.7805)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3FE91
RGB	195, 254, 145
RGB Percent	76%, 100%, 57%
CMY	0.2353, 0.0039, 0.4314
CMYK	0.23, 0.00, 0.43, 0.00
HSL	92°, 98%, 78%
HSV	92°, 43%, 100%
XYZ	63.0583, 84.5301, 39.7805
YIQ	223.9330, -0.1750, -46.4070

# Conversions

## Conversions Part 2

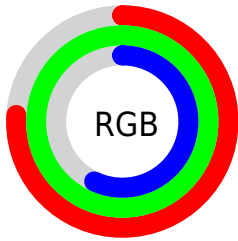
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 254, 204
Decimal	12844689
CIELab	93.68, -36.67, 46.13
CIELCh	94, 58.930, 128.488
Yxy	84.5301, 0.3365, 0.4511
Android (android.graphics.Color)	4291034769 (0xFFC3FE91)
YUV	223.9330, -38.9140, -25.3742
Hunter-Lab	91.9403, -38.4691, 38.7047

# Details

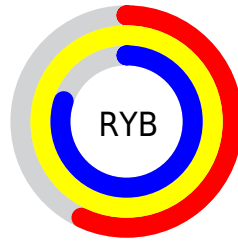
The XYZ color **63.0583, 84.5301, 39.7805** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **52.9204, 40.2465, 98.7498**, and the grayscale version is **71.0750, 74.7764, 81.4315**.

A 20% lighter version of the original color is **86.6933, 96.5728, 68.7148**, and **32.5455, 46.1942, 17.3263** is the 20% darker color. If you saturate the color by 10%, you get **57.9245, 82.0877, 30.4347**, and if you desaturate by 10%, it is **68.9614, 87.3237, 51.4512**.

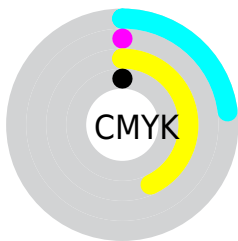
# Distribution



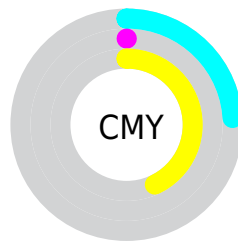
- Red (76%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (80%)



- Cyan (23%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.0583, 84.5301, 39.7805 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 63.0583, 84.5301, 39.7805 by changing the saturation by 10% instead.





 63.0583, 84.5301,  
39.7805


 63.0583, 84.5301,  
39.7805


425.4373,  
510.0719, 360.7221

 46.1472, 63.4532,  
27.0550


 108.3350,  
139.7165, 76.0626

 32.5671, 46.2079,  
17.3817


 137.4312,  
174.5947, 100.4562

 21.9527, 32.4099,  
10.3422

171.3199,  
214.8422, 129.5763

 13.9385, 21.6748,  
5.5179

210.3664,  
260.8433, 163.8413

 8.1593, 13.6181,  
2.4902

254.9360,  
312.9824, 203.6699

 4.2497, 7.8556,  
0.8350

305.3942,

 1.8444, 4.0027,

371.6440, 249.4805

0.0000

362.1061,  
437.2123, 301.6917

■ 0.5442, 1.6751,  
0.0000

■ 0.0000, 0.4074,  
0.0000

■ 63.0583, 84.5301,  
39.7805

■ 63.0583, 84.5301,  
39.7805

■ 57.9245, 82.0877,  
30.4347

■ 68.9614, 87.3237,  
51.4512

■ 53.5153, 79.9691,  
23.2523

■ 75.6627, 90.4725,  
65.5829

■ 49.7906, 78.1600,  
18.0601

■ 83.1972, 93.9943,  
82.3075

■ 46.7023, 76.6401,  
14.6558

■ 91.5955, 97.9022,  
101.7462

■ 44.1940, 75.3856,  
12.7939

94.7336, 99.3672,  
108.7945

■ 42.7136, 74.6351,  
12.1548

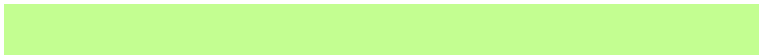
# Harmonies

## Analogous

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



75.9900, 84.5301, 30.4712



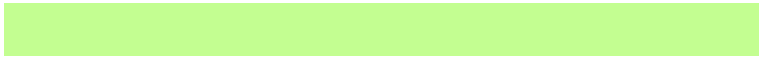
63.0583, 84.5301, 39.7805



55.5080, 84.5301, 63.9543

# Triad

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



63.0583, 84.5301, 39.7805



69.8219, 84.5301, 197.5409



113.8727, 84.5301, 79.9142

# Complementary

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



63.0583, 84.5301, 39.7805



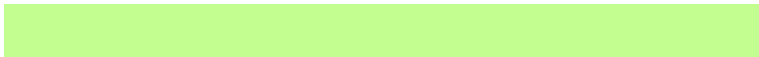
52.9204, 40.2465, 98.7498

# 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.



111.6616, 84.5301, 127.3348



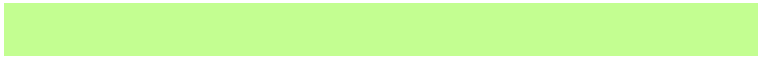
63.0583, 84.5301, 39.7805



84.8598, 84.5301, 206.0660

# Square

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



63.0583, 84.5301, 39.7805



59.0462, 84.5301, 156.6454



100.5294, 84.5301, 177.1542

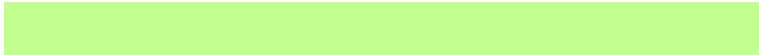


106.2295, 84.5301, 48.2032



# Rectangle

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



63.0583, 84.5301, 39.7805



53.8963, 84.5301, 89.7866



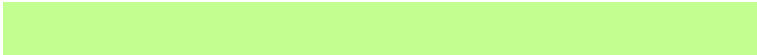
100.5294, 84.5301, 177.1542



114.2752, 84.5301, 94.3286

# Sweetspot

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



63.0604, 84.5338, 39.7823



83.8682, 94.7999, 82.8798



67.3747, 65.8933, 35.9570



17.5766, 20.1163, 16.8940



0.0000, 0.0000, 0.0000

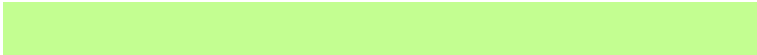


20.3446, 21.4041, 23.3091

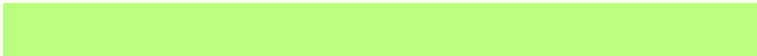


# Same Dimension

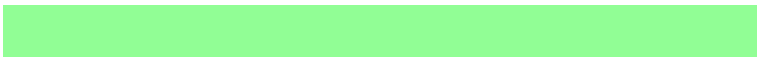
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.0604, 84.5338, 39.7823



59.3699, 83.2641, 32.3278



52.5170, 79.0656, 40.7751



18.5632, 20.5763, 19.1376



22.6836, 39.4319, 6.4156



2.3329, 3.9034, 0.6305



# Inverse Universe

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



52.9204, 40.2465, 98.7498



47.9733, 33.5232, 98.5499



68.3148, 48.2492, 96.4613



17.9425, 17.8621, 22.7520



15.0858, 6.6875, 49.9303

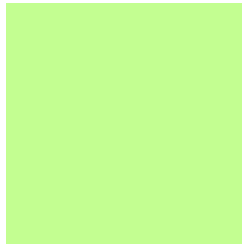


1.5949, 0.7161, 4.8674



# Previews

## White Background



This preview shows how the XYZ color 63.0583, 84.5301, 39.7805 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 63.0583, 84.5301, 39.7805 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

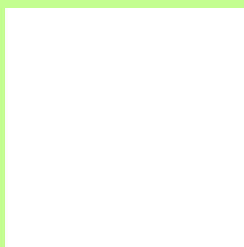
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 63.0583, 84.5301, 39.7805

## Background



This preview shows how black text looks on a background with the XYZ color 63.0583, 84.5301, 39.7805.



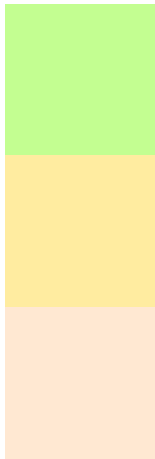
This preview shows how white text looks on a background with the XYZ color 63.0583, 84.5301,

39.7805.

# 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

63.0583, 84.5301, 39.7805

### Protanopia

77.5806, 83.7890, 45.3417

### Deuteranopia

81.7295, 83.6264, 72.8067



## Tritanopia

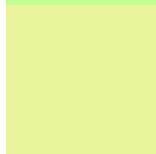
77.8254, 84.2919, 106.7759

# Trichromacy



## Original Color

63.0583, 84.5301, 39.7805



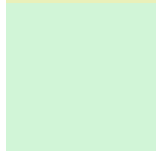
## Protanomaly

71.5713, 83.7914, 43.4115



## Deuteranomaly

73.6273, 83.1890, 58.6309



## Tritanomaly

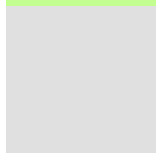
71.2126, 83.7664, 76.7052

# Monochromacy



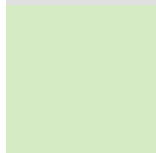
## Original Color

63.0583, 84.5301, 39.7805



## Achromatopsia

70.8507, 74.5404, 81.1745



## Achromatomaly

66.9992, 77.5029, 63.0581

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.0583, 84.5301, 39.7805 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(195, 254, 145)` looks like.

```
.text, #text, p{  
    color:rgb(195, 254, 145)  
}
```

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(195, 254, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 254, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 63.0583, 84.5301, 39.7805 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(195, 254, 145) }
```



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

```
.border{ border-color:rgb(195, 254, 145) }
```

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

Here you see how a box with a 4 pixel rgb(195, 254, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 254, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 254, 145);  
box-shadow:4px 4px 4px 4px rgb(195, 254,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.0583, 84.5301, 39.7805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 254, 145) }
```

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

```
.background{ background-color: rgb(195,  
254, 145) }
```

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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