

# Converting Colors

XYZ(61.7006, 84.4070, 35.0859)

Have a look what the booklet for  
XYZ(61.7006, 84.4070, 35.0859)  
contains.

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# Color

**XYZ(61.7319, 84.4199,  
35.2314)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0FF85
RGB	192, 255, 133
RGB Percent	75%, 100%, 52%
CMY	0.2471, 0.0000, 0.4784
CMYK	0.25, 0.00, 0.48, 0.00
HSL	91°, 100%, 76%
HSV	91°, 48%, 100%
XYZ	61.7319, 84.4199, 35.2314
YIQ	222.2550, 1.6140, -51.2980

# Conversions

## Conversions Part 2

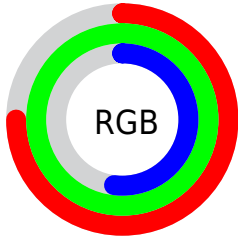
Format	Color
<a href="#">RYB</a>	<a href="#">133, 255, 196</a>
Decimal	<a href="#">12648325</a>
CIELab	<a href="#">93.63, -39.55, 51.72</a>
CIElCh	<a href="#">94, 65.105, 127.406</a>
Yxy	<a href="#">84.4199, 0.3403, 0.4654</a>
Android (android.graphics.Color)	<a href="#">4290838405 (0xFFC0FF85)</a>
YUV	<a href="#">222.2550, -44.0027, -26.5336</a>
Hunter-Lab	<a href="#">91.8803, -40.8612, 41.5815</a>

# Details

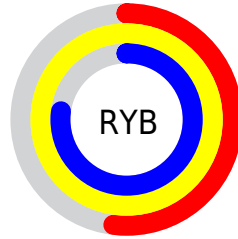
The XYZ color **61.7319, 84.4199, 35.2314** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.2038, 35.7322, 98.9114**, and the grayscale version is **69.9117, 73.5525, 80.0987**.

A 20% lighter version of the original color is **84.2614, 95.4748, 61.5644**, and **31.7954, 46.2016, 14.8314** is the 20% darker color. If you saturate the color by 10%, you get **56.9920, 82.1559, 26.9031**, and if you desaturate by 10%, it is **67.1984, 87.0091, 45.8282**.

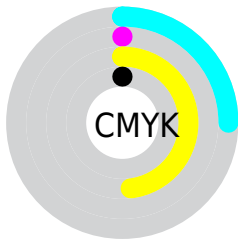
# Distribution



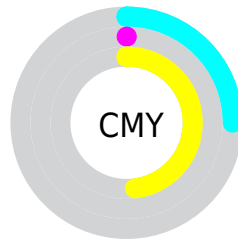
- Red (75%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (77%)



- Cyan (25%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.7319, 84.4199, 35.2314 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 61.7319, 84.4199, 35.2314 by changing the saturation by 10% instead.




 61.7319, 84.4199,  
35.2314


 61.7319, 84.4199,  
35.2314


420.6856,  
509.7066, 340.5238


 45.0709, 63.3622,  
23.5562


 106.4301,  
139.5624, 68.9997

 31.7148, 46.1343,  
14.7956


 135.1980,  
174.4160, 91.9299

 21.2982, 32.3518,  
8.5310


 168.7322,  
214.6369, 119.4489

 13.4559, 21.6303,  
4.3440

207.3981,  
260.6097, 151.9751

 7.8224, 13.5855,  
1.8159

251.5610,  
312.7186, 189.9272

 4.0323, 7.8330,  
0.4384

301.5863,

 1.7204, 3.9883,

371.3482, 233.7236

0.0000

357.8394,  
436.8827, 283.7830

■ 0.4690, 1.6670,  
0.0000

■ 0.0000, 0.4021,  
0.0000

■ 61.7319, 84.4199,  
35.2314

■ 61.7319, 84.4199,  
35.2314

■ 56.9920, 82.1559,  
26.9031

■ 67.1984, 87.0091,  
45.8282

■ 52.9386, 80.1999,  
20.6733

■ 73.4264, 89.9383,  
58.8392

■ 49.5280, 78.5338,  
16.3544

■ 80.4494, 93.2216,  
74.4024

■ 46.7095, 77.1361,  
13.7235

■ 88.2983, 96.8722,  
92.6443

■ 44.4178, 75.9798, 95.0500, 100.0000,  
12.4825 108.9000

■ 43.9738, 75.7543,  
12.3044

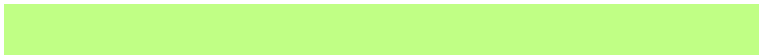
# Harmonies

## Analogous

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



76.0394, 84.4199, 26.2395



61.7319, 84.4199, 35.2314



53.3494, 84.4199, 60.0434

# Triad

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



61.7319, 84.4199, 35.2314



68.1593, 84.4199, 210.4493



117.8239, 84.4199, 80.2122

# Complementary

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



61.7319, 84.4199, 35.2314



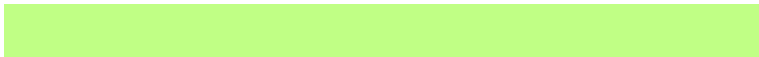
49.2038, 35.7322, 98.9114

# 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.



114.9170, 84.4199, 133.4525



61.7319, 84.4199, 35.2314



84.5896, 84.4199, 221.9393

# Square

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



61.7319, 84.4199, 35.2314



56.6724, 84.4199, 162.5279



102.1173, 84.4199, 189.8915

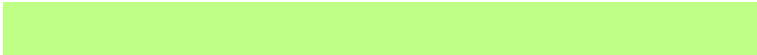


109.5709, 84.4199, 45.4529



# Rectangle

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



61.7319, 84.4199, 35.2314



51.4590, 84.4199, 87.6863



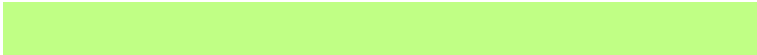
102.1173, 84.4199, 189.8915



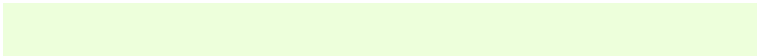
118.1376, 84.4199, 96.2856

# Sweetspot

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



61.7322, 84.4201, 35.2326



83.3655, 94.5799, 81.0870



64.7661, 61.5379, 30.6560



17.4899, 20.0793, 16.5419



0.0000, 0.0000, 0.0000

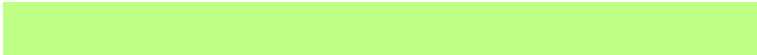


20.3446, 21.4041, 23.3091



# Same Dimension

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



61.7322, 84.4201, 35.2326



57.3640, 82.3343, 27.5209



49.6673, 78.2004, 34.6680



18.6076, 20.5991, 19.1396



23.1479, 39.6712, 6.4373



2.3793, 3.9273, 0.6326



# Inverse Universe

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



49.2038, 35.7322, 98.9114



43.5258, 28.5747, 97.8291



67.6780, 45.2560, 99.7760



17.8978, 17.8390, 22.7499



14.5512, 6.4119, 49.9053

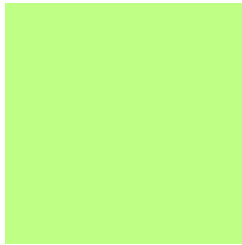


1.5430, 0.6894, 4.8650



# Previews

## White Background



This preview shows how the XYZ color 61.7319, 84.4199, 35.2314 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

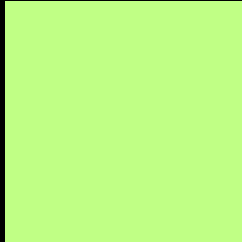
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.7319, 84.4199, 35.2314 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

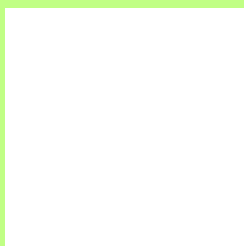
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 61.7319, 84.4199, 35.2314

## Background



This preview shows how black text looks on a background with the XYZ color 61.7319, 84.4199, 35.2314.



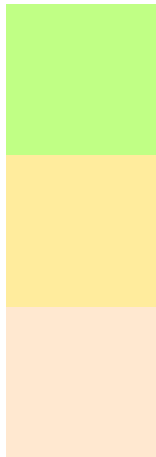
This preview shows how white text looks on a background with the XYZ color 61.7319, 84.4199,

35.2314.

# 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

61.7319, 84.4199, 35.2314

### Protanopia

77.3213, 83.6852, 43.9759

### Deuteranopia

81.4818, 83.5273, 71.5023



## **Tritanopia**

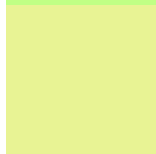
77.5290, 84.1391, 106.7620

# Trichromacy



## Original Color

61.7319, 84.4199, 35.2314



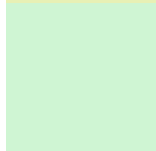
## Protanomaly

70.6746, 83.3951, 40.3889



## Deuteranomaly

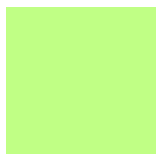
72.7793, 82.8122, 55.8645



## Tritanomaly

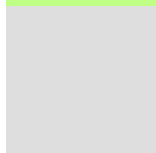
70.1424, 83.2734, 74.0045

# Monochromacy



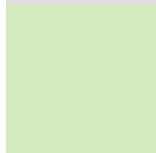
## Original Color

61.7319, 84.4199, 35.2314



## Achromatopsia

69.4303, 73.0461, 79.5472



## Achromatomaly

65.5811, 76.4122, 60.0077

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.7319, 84.4199, 35.2314 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(192, 255, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 133) }
```

## Border

The CSS property to change the border of an element to XYZ 61.7319, 84.4199, 35.2314 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, 133) }
```



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

```
.border{ border-color:rgb(192, 255, 133) }
```

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, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 255, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 255, 133);  
box-shadow:4px 4px 4px 4px rgb(192, 255,  
133) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.7319, 84.4199, 35.2314 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, 133) }
```

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

```
.background{ background-color: rgb(192,  
255, 133) }
```

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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