

# Converting Colors

XYZ(84.3422, 129.9419,  
39.4264)

Have a look what the booklet for  
XYZ(84.3422, 129.9419, 39.4264)  
contains.

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# Color

**XYZ(61.5833, 84.4194,  
31.7877)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C2FF7B
RGB	194, 255, 123
RGB Percent	76%, 100%, 48%
CMY	0.2392, 0.0000, 0.5176
CMYK	0.24, 0.00, 0.52, 0.00
HSL	88°, 100%, 74%
HSV	88°, 52%, 100%
XYZ	61.5833, 84.4194, 31.7877
YIQ	221.7130, 6.0160, -53.9840

# Conversions

## Conversions Part 2

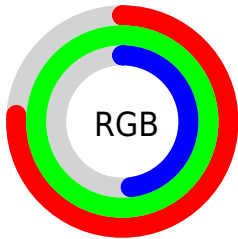
Format	Color
<a href="#">RYB</a>	<a href="#">123, 255, 184</a>
Decimal	<a href="#">12779387</a>
CIELab	<a href="#">93.63, -39.90, 56.34</a>
CIElCh	<a href="#">94, 69.038, 125.301</a>
Yxy	<a href="#">84.4194, 0.3464, 0.4748</a>
Android (android.graphics.Color)	<a href="#">4290969467 (0xFFC2FF7B)</a>
YUV	<a href="#">221.7130, -48.6655, -24.3043</a>
Hunter-Lab	<a href="#">91.8800, -41.1490, 43.8035</a>

# Details

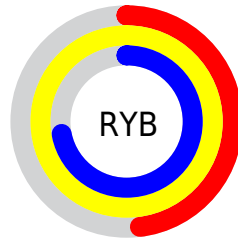
The XYZ color **61.5833, 84.4194, 31.7877** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **44.9015, 31.5776, 98.3363**, and the grayscale version is **69.5577, 73.1802, 79.6932**.

A 20% lighter version of the original color is **84.3039, 95.6170, 56.1321**, and **31.5848, 46.1362, 12.8707** is the 20% darker color. If you saturate the color by 10%, you get **57.2836, 82.3639, 24.3115**, and if you desaturate by 10%, it is **66.5391, 86.7651, 41.4668**.

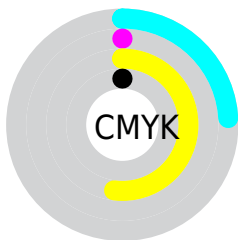
# Distribution



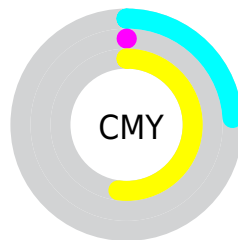
- Red (76%)
- Green (100%)
- Blue (48%)



- Red (48%)
- Yellow (100%)
- Blue (72%)



- Cyan (24%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.5833, 84.4194, 31.7877 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 61.5833, 84.4194, 31.7877 by changing the saturation by 10% instead.





 61.5833, 84.4194,  
31.7877

 61.5833, 84.4194,  
31.7877


420.1513,  
509.7049, 324.6139


 44.9504, 63.3618,  
20.9359


 106.2164,  
139.5617, 63.5722

 31.6195, 46.1339,  
12.8864


 134.9473,  
174.4152, 85.3419

 21.2252, 32.3515,  
7.2205


 168.4416,  
214.6360, 111.5881

 13.4021, 21.6301,  
3.5199

207.0646,  
260.6086, 142.7292

 7.7849, 13.5854,  
1.3658

251.1818,  
312.7174, 179.1838

 4.0083, 7.8329,  
0.1148

301.1584,

 1.7068, 3.9882,

371.3468, 221.3704

0.0000

357.3597,  
436.8812, 269.7076

0.4605, 1.6670,  
0.0000

0.0000, 0.4021,  
0.0000

61.5833, 84.4194,  
31.7877

61.5833, 84.4194,  
31.7877

57.2836, 82.3639,  
24.3115

66.5391, 86.7651,  
41.4668

53.6008, 80.5821,  
18.8604


72.1850, 89.4152,  
53.5006


50.4913, 79.0561,  
15.2353

78.5534, 92.3832,  
68.0315

47.9034, 77.7645,  
13.1949

85.6738, 95.6815,  
85.1897

 46.1021, 76.8515,  
12.4040

 93.5741, 99.3218,  
105.0963

95.0500, 100.0000,  
108.9000

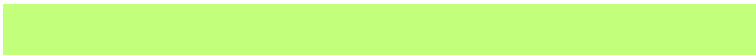
# Harmonies

## Analogous

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



77.0328, 84.4194, 23.6828



61.5833, 84.4194, 31.7877



52.3411, 84.4194, 55.9296

# Triad

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



61.5833, 84.4194, 31.7877



66.4221, 84.4194, 217.1427



120.5961, 84.4194, 82.9240

# Complementary

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



61.5833, 84.4194, 31.7877



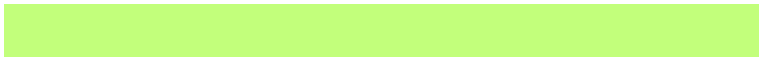
44.9015, 31.5776, 98.3363

# 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.



116.6166, 84.4194, 140.7529



61.5833, 84.4194, 31.7877



83.5311, 84.4194, 233.0979

# Square

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



61.5833, 84.4194, 31.7877



54.8231, 84.4194, 163.2680



102.3243, 84.4194, 201.0527

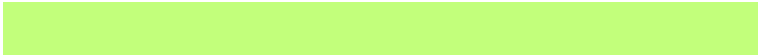


112.4974, 84.4194, 45.1369



# Rectangle

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



61.5833, 84.4194, 31.7877



50.0445, 84.4194, 83.9117



102.3243, 84.4194, 201.0527



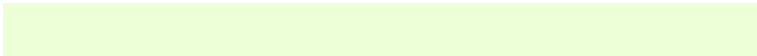
120.6384, 84.4194, 100.4188

# Sweetspot

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



61.5835, 84.4195, 31.7889



82.5634, 94.2430, 77.5915



61.6258, 56.3110, 26.3612



17.3592, 20.0270, 15.8551



0.0000, 0.0000, 0.0000

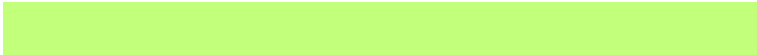


20.3446, 21.4041, 23.3091

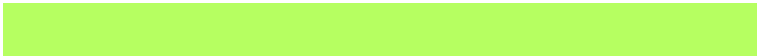


# Same Dimension

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



61.5835, 84.4195, 31.7889



57.1895, 82.3186, 24.1597



48.4806, 77.6647, 31.1757



18.7049, 20.6493, 19.1442



24.2636, 40.2464, 6.4895



2.4886, 3.9837, 0.6378



# Inverse Universe

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



44.9015, 31.5776, 98.3363



38.8851, 24.2929, 97.2473



63.9869, 41.4165, 99.2295



17.8008, 17.7890, 22.7454



13.4924, 5.8661, 49.8557

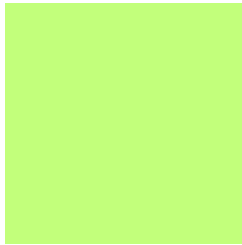


1.4381, 0.6353, 4.8601



# Previews

## White Background



This preview shows how the XYZ color 61.5833, 84.4194, 31.7877 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

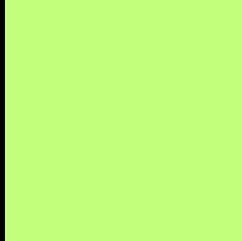
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.5833, 84.4194, 31.7877 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

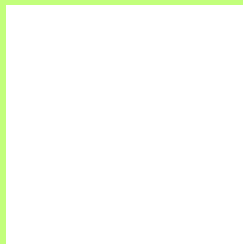
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 61.5833, 84.4194, 31.7877**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.5833, 84.4194, 31.7877.



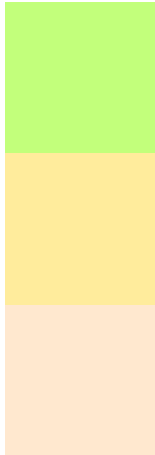
This preview shows how white text looks on a background with the XYZ color 61.5833, 84.4194,



# 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

61.5833, 84.4194, 31.7877

### Protanopia

77.2362, 83.6512, 43.5280

### Deuteranopia

81.3591, 83.4782, 70.8563



## **Tritanopia**

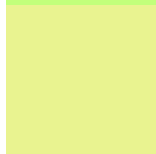
77.8299, 83.8584, 106.6920

# Trichromacy



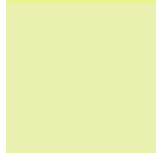
## Original Color

61.5833, 84.4194, 31.7877



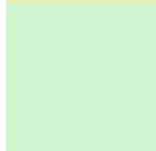
## Protanomaly

70.6889, 83.4384, 38.7651



## Deuteranomaly

72.6008, 82.7784, 53.2257



## Tritanomaly

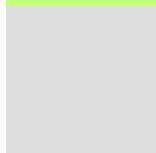
70.2094, 83.3651, 71.4221

# Monochromacy



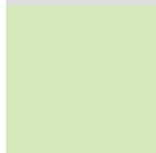
## Original Color

61.5833, 84.4194, 31.7877



## Achromatopsia

69.4303, 73.0461, 79.5472



## Achromatomaly

65.4371, 76.3879, 57.7498

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.5833, 84.4194, 31.7877 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(194, 255, 123)` looks like.

```
.text, #text, p{  
    color:rgb(194, 255, 123)  
}
```

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(194, 255, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 123) }
```

## Border

The CSS property to change the border of an element to XYZ 61.5833, 84.4194, 31.7877 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(194, 255, 123) }
```



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

```
.border{ border-color:rgb(194, 255, 123) }
```

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

Here you see how a box with a 4 pixel rgb(194, 255, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 255, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 255, 123);  
box-shadow:4px 4px 4px 4px rgb(194, 255,  
123) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.5833, 84.4194, 31.7877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 255, 123) }
```

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

```
.background{ background-color: rgb(194,  
255, 123) }
```

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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