

# Converting Colors

XYZ(61.1407, 84.4517, 19.9987)

Have a look what the booklet for  
XYZ(61.1407, 84.4517, 19.9987)  
contains.

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# Color

**XYZ(61.1519, 84.4593,  
19.9167)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9FF4C
RGB	201, 255, 76
RGB Percent	79%, 100%, 30%
CMY	0.2118, 0.0000, 0.7019
CMYK	0.21, 0.00, 0.70, 0.00
HSL	78°, 100%, 65%
HSV	78°, 70%, 100%
XYZ	61.1519, 84.4593, 19.9167
YIQ	218.4480, 25.2750, -67.1170

# Conversions

## Conversions Part 2

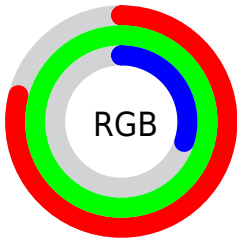
<b>Format</b>	<b>Color</b>
<b>RYB</b>	76, 255, 130
Decimal	13238092
CIELab	93.65, -40.98, 75.52
CIELCh	94, 85.923, 118.487
Yxy	84.4593, 0.3694, 0.5102
Android (android.graphics.Color)	4291428172 (0xFFC9FF4C)
YUV	218.4480, -70.2269, -15.3019
Hunter-Lab	91.9017, -42.0532, 51.4820

# Details

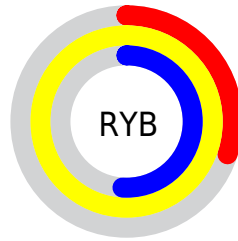
The XYZ color **61.1519, 84.4593, 19.9167** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **29.8419, 17.1361, 96.3425**, and the grayscale version is **67.4078, 70.9183, 77.2300**.

A 20% lighter version of the original color is **81.3732, 94.5293, 36.8788**, and **31.5218, 46.2278, 7.2615** is the 20% darker color. If you saturate the color by 10%, you get **58.4172, 83.1325, 16.0425**, and if you desaturate by 10%, it is **64.3415, 85.9801, 25.6471**.

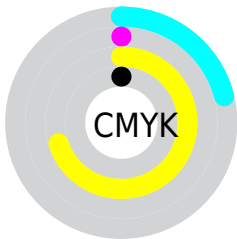
# Distribution



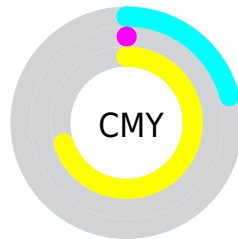
- Red (79%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (51%)



- Cyan (21%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.1519, 84.4593, 19.9167 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 61.1519, 84.4593, 19.9167 by changing the saturation by 10% instead.




 61.1519, 84.4593,  
19.9167


 61.1519, 84.4593,  
19.9167


418.5978,  
509.8372, 264.0531


 44.6008, 63.3947,  
12.1510


 105.5957,  
139.6175, 44.1346


 31.3430, 46.1606,  
6.7228


 134.2191,  
174.4799, 61.4239

 21.0133, 32.3726,  
3.2136

 167.5973,  
214.7103, 82.7249

 13.2462, 21.6462,  
1.2047

 206.0957,  
260.6932, 108.4560

 7.6765, 13.5972,  
0.0000

250.0795,  
312.8130, 139.0359

 3.9387, 7.8410,  
0.0000

299.9143,

 1.6675, 3.9934,

371.4539, 174.8830

0.0000

355.9652,  
437.0006, 216.4159

■ 0.4358, 1.6699,  
0.0000

■ 0.0000, 0.4040,  
0.0000

■ 61.1519, 84.4593,  
19.9167

■ 61.1519, 84.4593,  
19.9167

■ 58.4172, 83.1325,  
16.0425

■ 64.3415, 85.9801,  
25.6471

■ 56.0914, 81.9810,  
13.7876

■ 68.0242, 87.7102,  
33.4254

■ 54.1360, 80.9932,  
12.7800

■ 72.2340, 89.6635,  
43.4233

■ 77.0012, 91.8523,  
55.7937

■ 82.3537, 94.2877,  
70.6757

■ 88.3173, 96.9804,  
88.1977

94.9159, 99.9400,  
108.4794

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.



81.4374, 84.4593, 14.9410



61.1519, 84.4593, 19.9167



48.4367, 84.4593, 40.7592

# Triad

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



61.1519, 84.4593, 19.9167



59.4973, 84.4593, 245.6280



132.4788, 84.4593, 95.3117

# Complementary

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



61.1519, 84.4593, 19.9167



29.8419, 17.1361, 96.3425

# 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.



123.6853, 84.4593, 174.3034



61.1519, 84.4593, 19.9167



79.1258, 84.4593, 282.8810

# Square

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



61.1519, 84.4593, 19.9167



47.6161, 84.4593, 165.6694



103.0217, 84.4593, 252.0553



125.2335, 84.4593, 44.1836



# Rectangle

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



61.1519, 84.4593, 19.9167



44.5634, 84.4593, 69.1375



103.0217, 84.4593, 252.0553



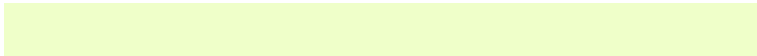
131.2737, 84.4593, 119.3263

# Sweetspot

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



61.1520, 84.4593, 19.9179



81.8998, 94.0819, 69.3793



50.4881, 37.6686, 11.4484



17.2036, 19.9893, 13.9276



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.



61.1520, 84.4593, 19.9179



57.4865, 82.6746, 15.0075



43.7220, 75.4739, 19.1022



18.9964, 20.7996, 19.1578



28.4456, 42.4023, 6.6852



2.8804, 4.1857, 0.6561



# Inverse Universe

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



29.8419, 17.1361, 96.3425



24.7114, 11.8209, 95.5870



49.9089, 27.4811, 97.2816



17.5182, 17.6434, 22.7321



11.1589, 4.6631, 49.7465

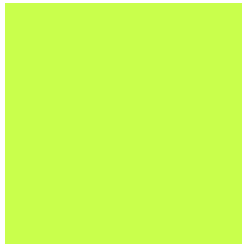


1.1914, 0.5081, 4.8486



# Previews

## White Background



This preview shows how the XYZ color 61.1519, 84.4593, 19.9167 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

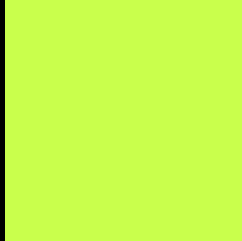
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.1519, 84.4593, 19.9167 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

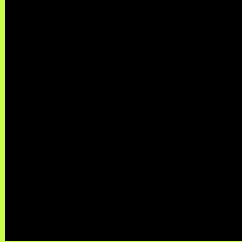
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 61.1519, 84.4593, 19.9167

## Background



This preview shows how black text looks on a background with the XYZ color 61.1519, 84.4593, 19.9167.



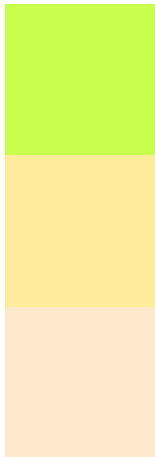
This preview shows how white text looks on a background with the XYZ color 61.1519, 84.4593,



# 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

61.1519, 84.4593, 19.9167

### Protanopia

77.0682, 83.5840, 42.6432

### Deuteranopia

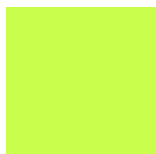
81.3984, 83.9456, 69.6706



## **Tritanopia**

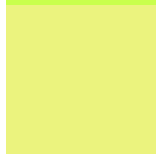
79.0560, 84.0570, 106.6657

# Trichromacy



## Original Color

61.1519, 84.4593, 19.9167



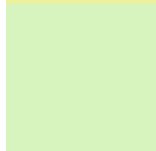
## Protanomaly

70.0774, 83.2697, 32.1179



## Deuteranomaly

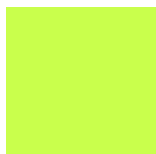
71.8878, 83.0414, 44.5875



## Tritanomaly

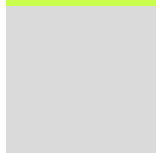
69.6693, 82.8661, 61.0380

# Monochromacy



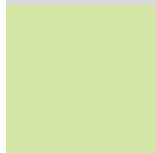
## Original Color

61.1519, 84.4593, 19.9167



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

62.6102, 73.9021, 47.0410

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.1519, 84.4593, 19.9167 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, 255, 76)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 76)  
}
```

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, 255, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 76) }
```

## Border

The CSS property to change the border of an element to XYZ 61.1519, 84.4593, 19.9167 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, 255, 76) }
```



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

```
.border{ border-color:rgb(201, 255, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 255, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 76);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
76) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.1519, 84.4593, 19.9167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 76) }
```

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

```
.background{ background-color: rgb(201,  
255, 76) }
```

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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