

# Converting Colors

XYZ(61.4702, 84.4718, 26.7836)

Have a look what the booklet for  
XYZ(61.4702, 84.4718, 26.7836)  
contains.

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# Color

**XYZ(61.3875, 84.4309,  
26.6970)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5FF6A
RGB	197, 255, 106
RGB Percent	77%, 100%, 42%
CMY	0.2275, 0.0000, 0.5843
CMYK	0.23, 0.00, 0.58, 0.00
HSL	83°, 100%, 71%
HSV	83°, 58%, 100%
XYZ	61.3875, 84.4309, 26.6970
YIQ	220.6720, 13.2610, -58.6350

# Conversions

## Conversions Part 2

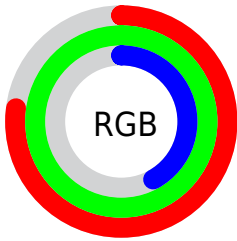
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">106, 255, 164</a>
Decimal	<a href="#">12975978</a>
CIELab	<a href="#">93.64, -40.38, 63.85</a>
CIELCh	<a href="#">94, 75.546, 122.307</a>
Yxy	<a href="#">84.4309, 0.3558, 0.4894</a>
Android (android.graphics.Color)	<a href="#">4291166058 (0xFFC5FF6A)</a>
YUV	<a href="#">220.6720, -56.5333, -20.7603</a>
Hunter-Lab	<a href="#">91.8863, -41.5485, 47.0941</a>

# Details

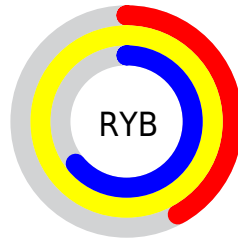
The XYZ color **61.3875, 84.4309, 26.6970** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **38.5152, 25.4220, 97.4847**, and the grayscale version is **68.8742, 72.4610, 78.9100**.

A 20% lighter version of the original color is **83.5216, 95.3886, 48.1922**, and **31.5637, 46.1854, 10.1568** is the 20% darker color. If you saturate the color by 10%, you get **57.7382, 82.6807, 20.6034**, and if you desaturate by 10%, it is **65.6026, 86.4272, 34.8769**.

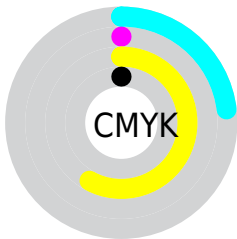
# Distribution



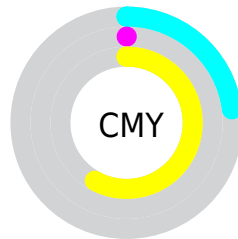
- Red (77%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (64%)



- Cyan (23%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)



- Cyan (23%)
- Magenta (0%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.3875, 84.4309, 26.6970 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 61.3875, 84.4309, 26.6970 by changing the saturation by 10% instead.





 61.3875, 84.4309,  
26.6970


 61.3875, 84.4309,  
26.6970


419.4466,  
509.7430, 299.9007

 44.7917, 63.3713,  
17.1154


 105.9347,  
139.5778, 55.3951


 31.4940, 46.1416,  
10.1540


 134.6169,  
174.4338, 75.3486

 21.1289, 32.3576,  
5.3942


 168.0585,  
214.6574, 99.5965

 13.3313, 21.6348,  
2.4176

 206.6250,  
260.6330, 128.5573

 7.7356, 13.5888,  
0.7960

250.6817,  
312.7450, 162.6496

 3.9766, 7.8352,  
0.0000

300.5940,

 1.6889, 3.9897,

371.3777, 202.2919

0.0000

356.7272,  
436.9156, 247.9027

0.4493, 1.6678,  
0.0000

0.0000, 0.4027,  
0.0000

61.3875, 84.4309,  
26.6970

61.3875, 84.4309,  
26.6970

57.7382, 82.6807,  
20.6034

65.6026, 86.4272,  
34.8769

54.6147, 81.1603,  
16.4020

70.4177, 88.6837,  
45.3065

51.9711, 79.8508,  
13.8689

75.8647, 91.2133,  
58.1372

49.7440, 78.7265,  
12.6889

81.9726, 94.0282,  
73.5062

■ 49.4191, 78.5615,  
12.5592

■ 88.7684, 97.1394,  
91.5403

95.0500, 100.0000,  
108.9000

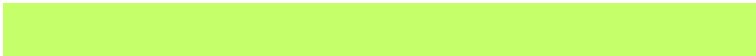
# Harmonies

## Analogous

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



78.7099, 84.4309, 19.9241



61.3875, 84.4309, 26.6970



50.7678, 84.4309, 49.6323

# Triad

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



61.3875, 84.4309, 26.6970



63.6592, 84.4309, 228.1348



125.1730, 84.4309, 87.5654

# Complementary

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



61.3875, 84.4309, 26.6970



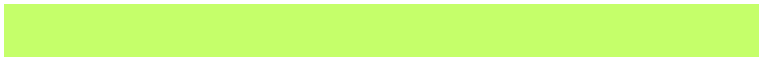
38.5152, 25.4220, 97.4847

# 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.



119.3774, 84.4309, 153.2572



61.3875, 84.4309, 26.6970



81.8081, 84.4309, 251.8940

# Square

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



61.3875, 84.4309, 26.6970



51.9180, 84.4309, 164.3167



102.6253, 84.4309, 220.0992

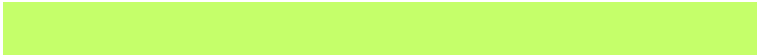


117.3701, 84.4309, 44.7097



# Rectangle

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



61.3875, 84.4309, 26.6970



47.8327, 84.4309, 77.9512



102.6253, 84.4309, 220.0992



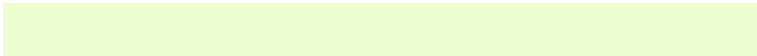
124.7496, 84.4309, 107.4894

# Sweetspot

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



61.3877, 84.4310, 26.6982



82.2503, 94.1557, 74.2254



56.9601, 48.5375, 20.0034



17.2077, 19.9706, 14.8653



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.



61.3877, 84.4310, 26.6982



57.2140, 82.4272, 19.8235



46.5856, 76.8003, 26.0055



18.8365, 20.7171, 19.1504



25.9948, 41.1389, 6.5705



2.6535, 4.0687, 0.6455



# Inverse Universe

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



38.5152, 25.4220, 97.4847



32.5205, 18.5677, 96.4776



58.3360, 35.6399, 98.4123



17.6717, 17.7225, 22.7393



12.2902, 5.2463, 49.7995

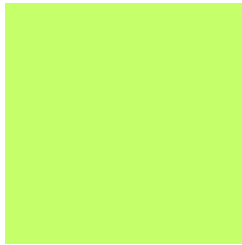


1.3147, 0.5717, 4.8543



# Previews

## White Background



This preview shows how the XYZ color 61.3875, 84.4309, 26.6970 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

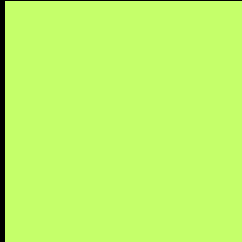
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.3875, 84.4309, 26.6970 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 61.3875, 84.4309, 26.6970**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.3875, 84.4309, 26.6970.



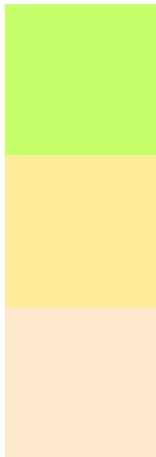
This preview shows how white text looks on a background with the XYZ color 61.3875, 84.4309,



# 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

61.3875, 84.4309, 26.6970

### Protanopia

77.1518, 83.6175, 43.0838

### Deuteranopia

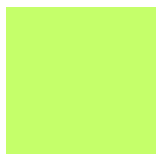
81.2372, 83.4295, 70.2144



## **Tritanopia**

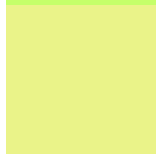
78.4317, 84.1686, 106.7201

# Trichromacy



## Original Color

61.3875, 84.4309, 26.6970



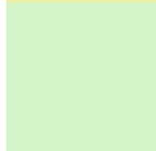
## Protanomaly

70.4976, 83.3998, 36.0491



## Deuteranomaly

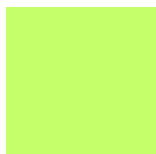
72.3475, 82.7149, 50.1827



## Tritanomaly

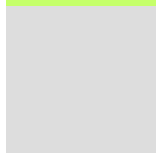
70.3464, 83.5189, 67.6715

# Monochromacy



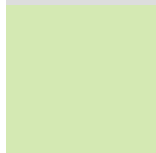
## Original Color

61.3875, 84.4309, 26.6970



## Achromatopsia

68.7264, 72.3055, 78.7407



## Achromatomaly

64.4270, 75.5295, 53.8308

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.3875, 84.4309, 26.6970 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(197, 255, 106)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 106)  
}
```

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(197, 255, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 106) }
```

## Border

The CSS property to change the border of an element to XYZ 61.3875, 84.4309, 26.6970 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(197, 255, 106) }
```



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

```
.border{ border-color:rgb(197, 255, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 106);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
106) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.3875, 84.4309, 26.6970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 106) }
```

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

```
.background{ background-color: rgb(197,  
255, 106) }
```

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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