

# Converting Colors

YUV(217.4090, -67.7426,  
-18.7757)

Have a look what the booklet for  
YUV(217.4090, -67.7426, -18.7757)  
contains.

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# Color

**YUV(217.4090, -67.7426,  
-18.7757)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4FF50
RGB	196, 255, 80
RGB Percent	77%, 100%, 31%
CMY	0.2314, 0.0000, 0.6863
CMYK	0.23, 0.00, 0.69, 0.00
HSL	80°, 100%, 66%
HSV	80°, 69%, 100%
XYZ	59.9729, 83.8349, 20.6103
YIQ	217.4090, 21.0110, -66.9330

# Conversions

## Conversions Part 2

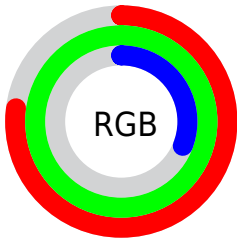
<b>Format</b>	<b>Color</b>
<b>RYB</b>	80, 255, 139
Decimal	12910416
CIELab	93.38, -42.61, 73.75
CIELCh	93, 85.173, 120.016
Yxy	83.8349, 0.3648, 0.5099
Android (android.graphics.Color)	4291100496 (0xFFC4FF50)
YUV	217.4090, -67.7426, -18.7757
Hunter-Lab	91.5614, -43.3146, 50.7470

# Details

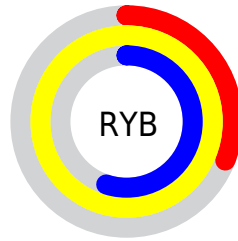
The YUV color **217.4090, -67.7426, -18.7757** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **117.5910, 67.7426, 18.7757**, and the grayscale version is **218.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **241.6620, -51.1054, 11.6974**, and **157.4880, -77.6416, -17.0910** is the 20% darker color. If you saturate the color by 10%, you get **211.8680, -77.3359, -21.8092**, and if you desaturate by 10%, it is **223.0640, -57.7126, -15.8421**.

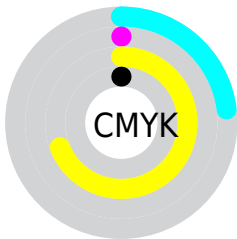
# Distribution



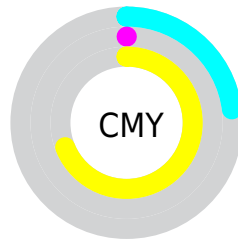
- Red (77%)
- Green (100%)
- Blue (31%)



- Red (31%)
- Yellow (100%)
- Blue (55%)



- Cyan (23%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)



- Cyan (23%)
- Magenta (0%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 217.4090, -67.7426, -18.7757 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 YUV color 217.4090, -67.7426, -18.7757 by changing the saturation by 10% instead.



■ 217.4090,  
-67.7426, -18.7757

■ 217.4090,  
-67.7426, -18.7757

255.0000, 0.0000,  
0.0000

■ 188.0670,  
-69.0530, -18.4758

■ 241.6620,  
-51.1054, 11.6974

■ 157.4880,  
-77.6416, -17.0910

■ 244.9680,  
-38.4382, 8.7981

■ 132.3810,  
-65.2638, -20.5051

■ 248.2740,  
-25.7711, 5.8987

■ 108.4480,  
-53.4649, -24.9489

■ 251.5800,  
-13.1039, 2.9993

■ 84.5150, -41.6659,  
-29.3927

■ 57.5810, -28.3874,  
-41.7285

■ 39.9160, -19.6786,

-35.0063

■ 27.0020, -13.3120,  
-23.6808

■ 11.7400, -5.7878,  
-10.2960

■ 217.4090,  
-67.7426, -18.7757

■ 217.4090,  
-67.7426, -18.7757

■ 211.8680,  
-77.3359, -21.8092

■ 223.0640,  
-57.7126, -15.8421

■ 206.5120,  
-87.5134, -24.1280

■ 228.3060,  
-47.9719, -13.4234

■ 200.9710,  
-97.1067, -27.1616

■ 233.9610,  
-37.9418, -10.4898

■ 200.2160,  
-98.7065, -27.3764

■ 239.2030,  
-28.2011, -8.0710

■ 244.8580,  
-18.1710, -5.1375

■ 250.3990, -8.5777,  
-2.1039

255.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



218.1290, -82.8876, 32.3359



217.4090, -67.7426, -18.7757



185.6220, -17.5616, -107.5395

# Triad

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



217.4090, -67.7426, -18.7757



178.7550, 37.5888, -156.7681



196.2370, 21.0822, 51.5352

# Complementary

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



217.4090, -67.7426, -18.7757



117.5910, 67.7426, 18.7757

# 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.



210.3880, 21.9937, 39.1247



217.4090, -67.7426, -18.7757



172.8850, 40.4827, -151.6201

# Square

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



217.4090, -67.7426, -18.7757



178.7550, 37.5888, -156.7681



224.9530, 14.8132, 8.8112



193.5740, -17.0450, 53.8706



# Rectangle

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



217.4090, -67.7426, -18.7757



173.0550, 15.7489, -151.7692



224.9530, 14.8132, 8.8112



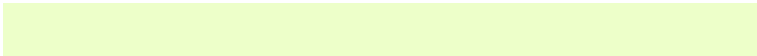
199.8220, 27.2028, 48.3911

# Sweetspot

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



217.4090, -67.7426, -18.7757



243.4620, -20.9338, -5.6672



166.3710, -42.5809, 77.7276



121.0630, -12.3561, -3.5633



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



217.4090, -67.7426, -18.7757



210.2440, -80.9723, -22.1390



191.3960, -54.9182, -72.2613



125.0230, -4.9413, -1.7742



150.0900, -73.9944, -20.2499



50.1260, -24.7121, -7.1265



# Inverse Universe

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



117.5910, 67.7426, 18.7757



90.7560, 80.9723, 22.1390



143.6040, 54.9182, 72.2613



117.6780, 5.0887, 1.1594



40.9100, 73.9944, 20.2499

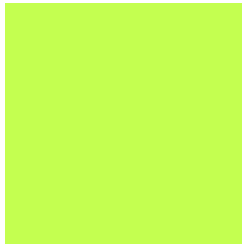


13.5750, 24.8595, 6.5117



# Previews

## White Background



This preview shows how the YUV color 217.4090, -67.7426, -18.7757 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

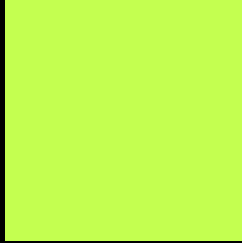
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 217.4090, -67.7426, -18.7757 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](#).

# YUV 217.4090, -67.7426, -18.7757 Background



This preview shows how black text looks on a background with the YUV color 217.4090, -67.7426, -18.7757.



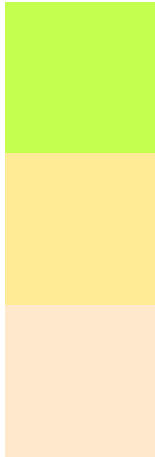
This preview shows how white text looks on a background with the YUV color 217.4090, -67.7426, -18.7757.

-18.7757.

# 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

217.4090, -67.7426, -18.7757

### Protanopia

231.1760, -40.5128, 20.8936

### Deuteranopia

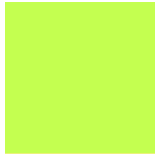
235.5710, -16.0575, 17.0392



## Tritanopia

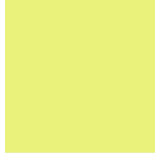
234.2570, 10.2263, -13.3804

# Trichromacy



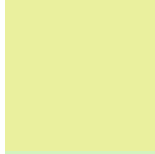
## Original Color

217.4090, -67.7426, -18.7757



## Protanomaly

226.1560, -50.3629, 6.8792



## Deuteranomaly

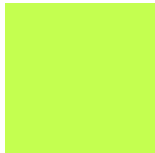
228.8580, -34.9330, 4.5095



## Tritanomaly

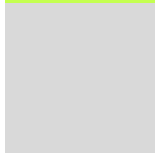
228.0910, -18.2859, -14.9888

# Monochromacy



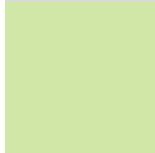
## Original Color

217.4090, -67.7426, -18.7757



## Achromatopsia

217.0000, 0.0000, 0.0000



## Achromatomaly

217.1260, -24.7121, -7.1265

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 217.4090, -67.7426, -18.7757 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(196, 255, 80)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 80)  
}
```

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(196, 255, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 80) }
```

## Border

The CSS property to change the border of an element to YUV 217.4090, -67.7426, -18.7757 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(196, 255, 80) }
```



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

```
.border{ border-color:rgb(196, 255, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 80);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
80) }
```

# Background

The CSS property to change the background color of an element to YUV 217.4090, -67.7426, -18.7757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 80) }
```

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

```
.background{ background-color: rgb(196,  
255, 80) }
```

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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