

# Converting Colors

YUV(216.7400, -66.4268,  
-20.8200)

Have a look what the booklet for  
YUV(216.7400, -66.4268, -20.8200)  
contains.

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# Color

**YUV(216.7400, -66.4268,  
-20.8200)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1FF52
RGB	193, 255, 82
RGB Percent	76%, 100%, 32%
CMY	0.2431, 0.0000, 0.6784
CMYK	0.24, 0.00, 0.68, 0.00
HSL	82°, 100%, 66%
HSV	82°, 68%, 100%
XYZ	59.2753, 83.4667, 20.9692
YIQ	216.7400, 18.5810, -66.9470

# Conversions

## Conversions Part 2

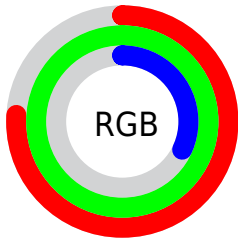
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	82, 255, 144
Decimal	12713810
CIE <sub>Lab</sub>	93.22, -43.58, 72.81
CIE <sub>LCh</sub>	93, 84.859, 120.905
Yxy	83.4667, 0.3621, 0.5098
Android (android.graphics.Color)	4290903890 (0xFFC1FF52)
YUV	216.7400, -66.4268, -20.8200
Hunter-Lab	91.3601, -44.0676, 50.3437

# Details

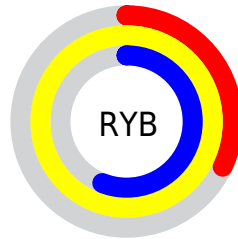
The YUV color **216.7400, -66.4268, -20.8200** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **120.2600, 66.4268, 20.8200**, and the grayscale version is **217.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **241.2920, -49.9370, 10.2679**, and **156.8190, -76.3258, -19.1353** is the 20% darker color. If you saturate the color by 10%, you get **211.1990, -76.0201, -23.8535**, and if you desaturate by 10%, it is **222.2810, -56.8335, -17.7864**.

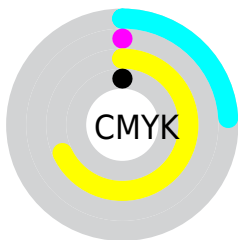
# Distribution



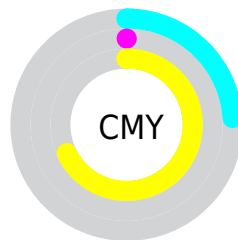
- Red (76%)
- Green (100%)
- Blue (32%)



- Red (32%)
- Yellow (100%)
- Blue (56%)



- Cyan (24%)
- Magenta (0%)
- Yellow (68%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 216.7400, -66.4268, -20.8200 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 216.7400, -66.4268, -20.8200 by changing the saturation by 10% instead.




 216.7400,  
-66.4268, -20.8200

 216.7400,  
-66.4268, -20.8200


255.0000, 0.0000,  
0.0000


 187.5120,  
-67.3004, -20.6200


 241.2920,  
-49.9370, 10.2679


 156.8190,  
-76.3258, -19.1353


 245.0820,  
-38.0014, 8.6981


 131.4840,  
-64.8216, -22.3495

 248.3880,  
-25.3343, 5.7987

 107.5510,  
-53.0226, -26.7932

 251.8080,  
-12.2303, 2.7994

 83.3190, -41.0763,  
-31.8518

 54.6020, -26.9188,  
-46.1320

 39.9160, -19.6786,

-35.0063

■ 27.0020, -13.3120,  
-23.6808

■ 11.1530, -5.4984,  
-9.7812

■ 216.7400,  
-66.4268, -20.8200

■ 216.7400,  
-66.4268, -20.8200

■ 211.1990,  
-76.0201, -23.8535

■ 222.2810,  
-56.8335, -17.7864

■ 205.5440,  
-86.0502, -26.7871

■ 227.9360,  
-46.8034, -14.8529

■ 200.0030,  
-95.6435, -29.8206

■ 233.5910,  
-36.7734, -11.9193

■ 198.7210,  
-97.9695, -30.4503

■ 239.4310,  
-27.3275, -8.2710

■ 245.0860,  
-17.2974, -5.3374

■ 250.6270, -7.7041,  
-2.3039

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.



218.2430, -82.4508, 32.2359



216.7400, -66.4268, -20.8200



183.4580, -15.5088, -112.6577

# Triad

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



216.7400, -66.4268, -20.8200



178.7550, 37.5888, -156.7681



195.3080, 20.0612, 52.3499

# Complementary

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



216.7400, -66.4268, -20.8200



120.2600, 66.4268, 20.8200

# 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.



209.2140, 22.5725, 40.1543



216.7400, -66.4268, -20.8200



172.2980, 40.7721, -151.1053

# Square

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



216.7400, -66.4268, -20.8200



178.7550, 37.5888, -156.7681



225.5620, 14.5129, 11.7851



193.8190, -18.6448, 53.6557



# Rectangle

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



216.7400, -66.4268, -20.8200



173.2830, 16.6225, -151.9692



225.5620, 14.5129, 11.7851



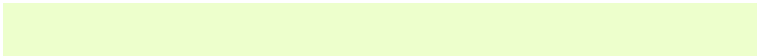
199.8220, 27.2028, 48.3911

# Sweetspot

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



216.7400, -66.4268, -20.8200



243.8040, -19.6234, -5.9671



169.5340, -43.1543, 74.9537



121.1770, -11.9193, -3.6632



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.



216.7400, -66.4268, -20.8200



209.2760, -79.5091, -24.7981



191.3250, -53.8972, -73.0760



125.0230, -4.9413, -1.7742



148.8940, -73.4047, -22.7090



49.8270, -24.5647, -7.7413



# Inverse Universe

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



120.2600, 66.4268, 20.8200



93.7240, 79.5091, 24.7981



145.6750, 53.8972, 73.0760



117.6780, 5.0887, 1.1594



42.4050, 73.2573, 23.3238

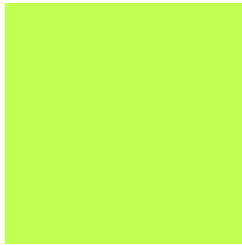


14.1730, 24.5647, 7.7413



# Previews

## White Background



This preview shows how the YUV color 216.7400, -66.4268, -20.8200 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

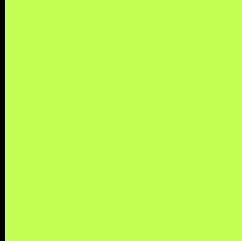
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 216.7400, -66.4268, -20.8200 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

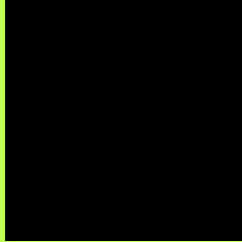
Any Text WCAG AA ✓ Pass

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 216.7400, -66.4268, -20.8200 Background



This preview shows how black text looks on a background with the YUV color 216.7400, -66.4268, -20.8200.



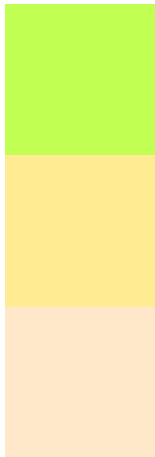
This preview shows how white text looks on a background with the YUV color 216.7400, -66.4268, -20.8200.

-20.8200.

# 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

216.7400, -66.4268, -20.8200

### Protanopia

230.7200, -42.2600, 21.2936

### Deuteranopia

234.8700, -16.2049, 17.6540



## Tritanopia

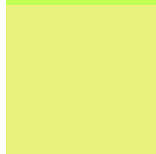
233.3600, 10.6685, -15.2247

# Trichromacy



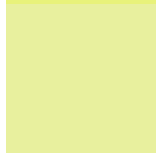
## Original Color

216.7400, -66.4268, -20.8200



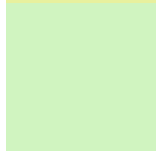
## Protanomaly

225.3300, -50.9417, 5.8496



## Deuteranomaly

228.2600, -34.6382, 3.2800



## Tritanomaly

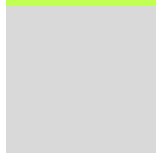
227.3080, -17.4068, -16.9331

# Monochromacy



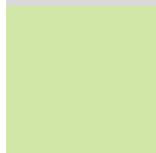
## Original Color

216.7400, -66.4268, -20.8200



## Achromatopsia

217.0000, 0.0000, 0.0000



## Achromatomaly

216.9410, -24.1279, -7.8413

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 216.7400, -66.4268, -20.8200 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(193, 255, 82)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 82)  
}
```

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(193, 255, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 82) }
```

## Border

The CSS property to change the border of an element to YUV 216.7400, -66.4268, -20.8200 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(193, 255, 82) }
```



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

```
.border{ border-color:rgb(193, 255, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 255, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 82);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
82) }
```

# Background

The CSS property to change the background color of an element to YUV 216.7400, -66.4268, -20.8200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 82) }
```

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

```
.background{ background-color: rgb(193,  
255, 82) }
```

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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