

# Converting Colors

YUV(189.9550, -69.4908,  
-64.8585)

Have a look what the booklet for  
YUV(189.9550, -69.4908, -64.8585)  
contains.

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# Color

**YUV(189.9550, -69.4908,  
-64.8585)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74FF31
RGB	116, 255, 49
RGB Percent	45%, 100%, 19%
CMY	0.5451, 0.0000, 0.8078
CMYK	0.55, 0.00, 0.81, 0.00
HSL	100°, 100%, 60%
HSV	100°, 81%, 100%
XYZ	43.5168, 75.4548, 15.1764
YIQ	189.9550, -16.7180, -93.5340

# Conversions

## Conversions Part 2

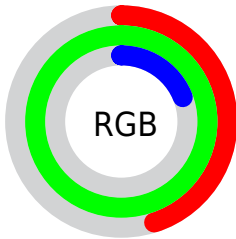
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 255, 188
Decimal	7667505
CIELab	89.61, -69.83, 78.38
CIELCh	90, 104.974, 131.697
Yxy	75.4548, 0.3244, 0.5625
Android (android.graphics.Color)	4285857585 (0xFF74FF31)
YUV	189.9550, -69.4908, -64.8585
Hunter-Lab	86.8647, -62.5896, 50.4466

# Details

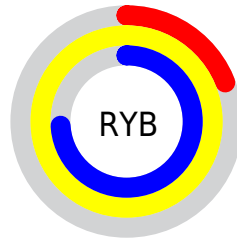
The YUV color **189.9550, -69.4908, -64.8585** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **114.0450, 69.4908, 64.8585**, and the grayscale version is **191.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **216.0880, -50.8224, -32.5262**, and **127.0010, -62.6115, -78.0539** is the 20% darker color. If you saturate the color by 10%, you get **182.0220, -77.9048, -72.8103**, and if you desaturate by 10%, it is **198.0020, -60.6400, -57.0068**.

# Distribution



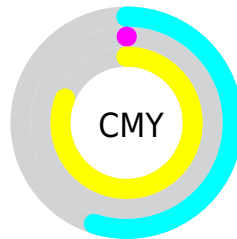
- Red (45%)
- Green (100%)
- Blue (19%)



- Red (19%)
- Yellow (100%)
- Blue (74%)



- Cyan (55%)
- Magenta (0%)
- Yellow (81%)
- Black (0%)



- Cyan (55%)
- Magenta (0%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 189.9550, -69.4908, -64.8585 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 189.9550, -69.4908, -64.8585 by changing the saturation by 10% instead.



■ 189.9550,  
-69.4908, -64.8585

■ 189.9550,  
-69.4908, -64.8585

255.0000, 0.0000,  
0.0000

■ 157.1800,  
-77.4897, -65.9329

■ 216.0880,  
-50.8224, -32.5262

■ 127.0010,  
-62.6115, -78.0539

■ 228.9620,  
-42.8723, -15.7527

■ 99.2030, -48.9071,  
-87.0010

■ 241.6510,  
-34.3379, 0.3061

■ 82.7670, -40.8041,  
-72.5867

■ 248.8440,  
-23.5871, 5.3988

■ 67.5050, -33.2800,  
-59.2019

■ 252.2640,  
-10.4832, 2.3995

■ 52.2430, -25.7558,  
-45.8171

■ 37.5680, -18.5210,

-32.9471

■ 22.8930, -11.2862,  
-20.0772

■ 0.0000, 0.0000,  
0.0000

■ 189.9550,  
-69.4908, -64.8585

■ 189.9550,  
-69.4908, -64.8585

■ 182.0220,  
-77.9048, -72.8103

■ 198.0020,  
-60.6400, -57.0068

■ 174.5020,  
-86.0295, -80.2473

■ 205.9350,  
-52.2260, -49.0550

■ 214.2810,  
-43.5225, -40.5884

■ 222.2140,  
-35.1085, -32.6367

■ 230.2610,  
-26.2577, -24.7849

■ 238.1940,  
-17.8436, -16.8331

■ 246.2410, -8.9928,  
-8.9814

254.4730, -0.7262,  
-0.4148

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.



206.7370, -101.9213, 23.9097



189.9550, -69.4908, -64.8585



167.6970, -4.7806, -147.0703

# Triad

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



189.9550, -69.4908, -64.8585



178.1680, 37.8782, -156.2533



163.0620, 13.2804, 80.6296

# Complementary

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



189.9550, -69.4908, -64.8585



114.0450, 69.4908, 64.8585

# 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.



179.8640, 37.0420, 65.8943



189.9550, -69.4908, -64.8585



160.5580, 46.5599, -140.8094

# Square

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



189.9550, -69.4908, -64.8585



178.7550, 37.5888, -156.7681



210.3880, 21.9937, 39.1247



175.1250, -39.5016, 70.0504



# Rectangle

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



189.9550, -69.4908, -64.8585



175.6770, 25.7952, -154.0687



210.3880, 21.9937, 39.1247



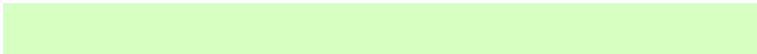
165.7640, 28.7103, 78.2600

# Sweetspot

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



189.9550, -69.4908, -64.8585



235.7870, -20.6010, -19.1072



191.0130, -70.0124, 56.1166



116.3070, -12.4764, -11.6702



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.



189.9550, -69.4908, -64.8585



176.9090, -83.2721, -77.9732



173.7980, -44.7634, -109.4478



123.8270, -4.3517, -4.2333



130.6550, -64.4129, -60.2104



43.8470, -21.6166, -20.0368



# Inverse Universe

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



114.0450, 69.4908, 64.8585



86.0910, 83.2721, 77.9732



130.2020, 44.7634, 109.4478



118.8740, 4.4991, 3.6185



60.3450, 64.4129, 60.2104

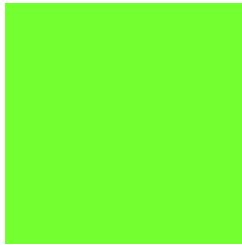


20.1530, 21.6166, 20.0368



# Previews

## White Background



This preview shows how the YUV color 189.9550, -69.4908, -64.8585 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

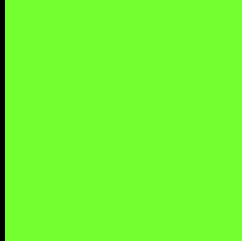
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 189.9550, -69.4908, -64.8585 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

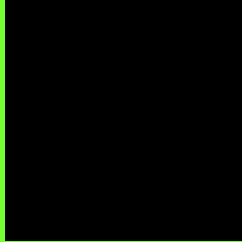
Any Text WCAG AA ✓ Pass

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 189.9550, -69.4908, -64.8585 Background



This preview shows how black text looks on a background with the YUV color 189.9550, -69.4908, -64.8585.



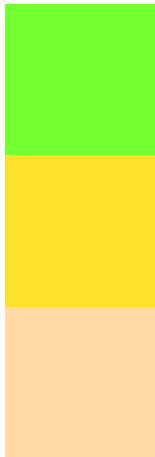
This preview shows how white text looks on a background with the YUV color 189.9550, -69.4908, -64.8585.

-64.8585.

# 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

189.9550, -69.4908, -64.8585

### Protanopia

211.5100, -84.0614, 35.5097

### Deuteranopia

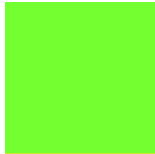
223.0210, -28.6044, 28.0456



## Tritanopia

215.1320, 19.6549, -50.9818

# Trichromacy



## Original Color

189.9550, -69.4908, -64.8585



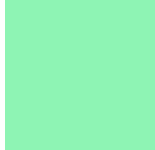
## Protanomaly

203.6580, -78.7114, -0.5771



## Deuteranomaly

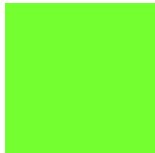
210.6150, -43.1942, -5.8014



## Tritanomaly

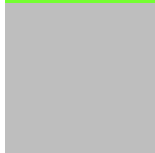
206.2060, -12.9196, -56.3087

# Monochromacy



## Original Color

189.9550, -69.4908, -64.8585



## Achromatopsia

190.0000, 0.0000, 0.0000



## Achromatomaly

190.2010, -25.2421, -23.8553

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 189.9550, -69.4908, -64.8585 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(116, 255, 49)` looks like.

```
.text, #text, p{  
    color:rgb(116, 255, 49)  
}
```

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(116, 255, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 255, 49) }
```

## Border

The CSS property to change the border of an element to YUV 189.9550, -69.4908, -64.8585 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(116, 255, 49) }
```



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

```
.border{ border-color:rgb(116, 255, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 255, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 255, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 255, 49);  
box-shadow:4px 4px 4px 4px rgb(116, 255,  
49) }
```

# Background

The CSS property to change the background color of an element to YUV 189.9550, -69.4908, -64.8585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 255, 49) }
```

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

```
.background{ background-color: rgb(116,  
255, 49) }
```

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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