

# Converting Colors

YUV(171.4810, -47.0721,  
-68.8278)

Have a look what the booklet for  
YUV(171.4810, -47.0721, -68.8278)  
contains.

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# Color

**YUV(171.4810, -47.0721,  
-68.8278)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DE64C
RGB	93, 230, 76
RGB Percent	36%, 90%, 30%
CMY	0.6353, 0.0980, 0.7020
CMYK	0.60, 0.00, 0.67, 0.10
HSL	113°, 75%, 60%
HSV	113°, 67%, 90%
XYZ	34.1155, 59.4426, 16.5130
YIQ	171.4810, -32.2180, -76.9380

# Conversions

## Conversions Part 2

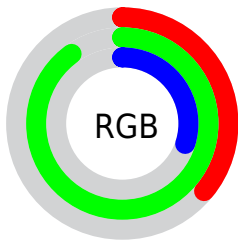
<b>Format</b>	<b>Color</b>
<b>RYB</b>	76, 230, 213
Decimal	6153804
CIELab	81.53, -65.07, 61.51
CIELCh	82, 89.538, 136.612
Yxy	59.4426, 0.3099, 0.5400
Android (android.graphics.Color)	4284343884 (0xFF5DE64C)
YUV	171.4810, -47.0721, -68.8278
Hunter-Lab	77.0990, -55.9389, 41.2707

# Details

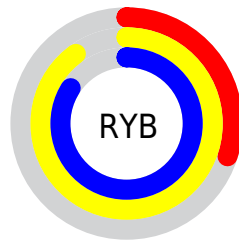
The YUV color **171.4810, -47.0721, -68.8278** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **134.5190, 47.0721, 68.8278**, and the grayscale version is **172.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **211.2630, -39.5697, -48.4657**, and **102.1210, -47.8807, -89.5601** is the 20% darker color. If you saturate the color by 10%, you get **162.8790, -54.1703, -78.8239**, and if you desaturate by 10%, it is **180.0830, -39.9739, -58.8318**.

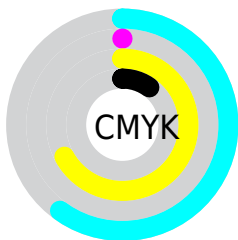
# Distribution



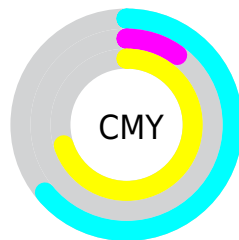
- Red (36%)
- Green (90%)
- Blue (30%)



- Red (30%)
- Yellow (90%)
- Blue (84%)



- Cyan (60%)
- Magenta (0%)
- Yellow (67%)
- Black (10%)



- Cyan (64%)
- Magenta (10%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 171.4810, -47.0721, -68.8278 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 171.4810, -47.0721, -68.8278 by changing the saturation by 10% instead.



■ 171.4810,  
-47.0721, -68.8278

■ 171.4810,  
-47.0721, -68.8278

■ 255.0000, 0.0000,  
0.0000

■ 140.3880,  
-46.0403, -73.1313

■ 211.2630,  
-39.5697, -48.4657

■ 102.1210,  
-47.8807, -89.5601

■ 223.4250,  
-31.7615, -32.8217

■ 85.7020, -42.2511,  
-75.1607

■ 236.0000,  
-23.6640, -16.6630

■ 69.8530, -34.4375,  
-61.2611

■ 248.5750,  
-15.5665, -0.5043

■ 54.5910, -26.9134,  
-47.8763

■ 253.9740, -3.9312,  
0.8998

■ 39.9160, -19.6786,  
-35.0063

■ 25.8280, -12.7332,

-22.6512

■ 5.8700, -2.8939,  
-5.1480

■ 0.0000, 0.0000,  
0.0000

■ 171.4810,  
-47.0721, -68.8278

■ 171.4810,  
-47.0721, -68.8278

■ 162.8790,  
-54.1703, -78.8239

■ 180.0830,  
-39.9739, -58.8318

■ 153.9780,  
-61.1212, -89.4347


■ 188.9840,  
-33.0231, -48.2210

■ 145.3760,  
-68.2194, -99.4308


■ 197.5860,  
-25.9249, -38.2249


■ 142.4850,  
-70.2451, -103.0343

■ 206.4870,  
-18.9741, -27.6141

 215.0890,  
-11.8759, -17.6181

 223.9900, -4.9251,  
-7.0072

 232.5920, 2.1731,  
2.9888

 240.3250, 7.2348,  
12.8700

# Harmonies

## Analogous

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



184.2330, -90.8269, 12.0737



171.4810, -47.0721, -68.8278



158.6470, 1.1600, -139.1334

# Triad

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



171.4810, -47.0721, -68.8278



159.9710, 46.8493, -140.2946



162.5770, -1.2705, 81.0550

# Complementary

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



171.4810, -47.0721, -68.8278



134.5190, 47.0721, 68.8278

# 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.



175.0880, 33.9736, 70.0828



171.4810, -47.0721, -68.8278



177.6100, 38.1533, -57.5400

# Square

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



171.4810, -47.0721, -68.8278



168.1890, 42.7978, -147.5018



198.0610, 28.0709, 49.9355



172.4690, -44.6012, 72.3797



# Rectangle

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



171.4810, -47.0721, -68.8278



166.4330, 25.9155, -145.9617



198.0610, 28.0709, 49.9355



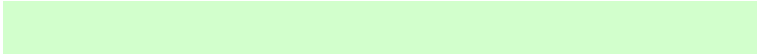
164.0080, 11.8281, 79.8000

# Sweetspot

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



171.4810, -47.0721, -68.8278



235.7310, -15.6434, -22.5661



201.8780, -62.0579, 24.6630



116.0940, -9.4133, -14.1144



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.



171.4810, -47.0721, -68.8278



177.6250, -62.4261, -90.8791



173.1240, -18.7951, -85.1777



110.6420, -3.7675, -4.9480



111.0530, -54.7491, -79.8535



31.7310, -15.6434, -22.5661



# Inverse Universe

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



134.5190, 47.0721, 68.8278



128.3750, 62.4261, 90.8791



132.8760, 18.7951, 85.1777



107.3580, 3.7675, 4.9480



67.9470, 54.7491, 79.8535

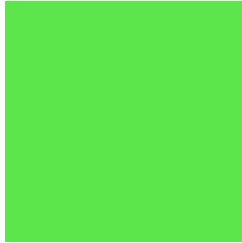


19.2690, 15.6434, 22.5661



# Previews

## White Background



This preview shows how the YUV color 171.4810, -47.0721, -68.8278 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 171.4810, -47.0721, -68.8278 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

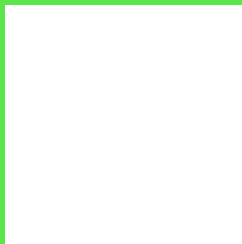
Any Text WCAG AAA ✓ Pass

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

# YUV 171.4810, -47.0721, -68.8278 Background



This preview shows how black text looks on a background with the YUV color 171.4810, -47.0721, -68.8278.



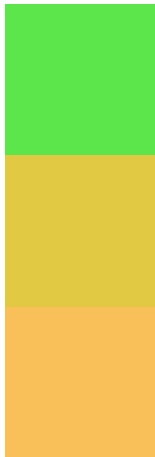
This preview shows how white text looks on a background with the YUV color 171.4810, -47.0721, -68.8278.

-68.8278.

# 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

171.4810, -47.0721, -68.8278

### Protanopia

193.0140, -61.6319, 28.0517

### Deuteranopia

196.7140, -53.1030, 45.8548



## Tritanopia

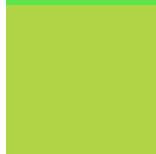
190.9250, 20.2500, -55.1852

# Trichromacy



## Original Color

171.4810, -47.0721, -68.8278



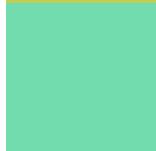
## Protanomaly

185.4610, -56.4293, -7.4203



## Deuteranomaly

187.3190, -50.9363, 4.1052



## Tritanomaly

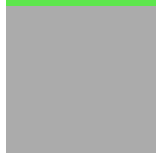
183.4750, -4.1782, -60.0526

# Monochromacy



## Original Color

171.4810, -47.0721, -68.8278



## Achromatopsia

171.0000, 0.0000, 0.0000



## Achromatomaly

170.9650, -17.2377, -24.5253

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 171.4810, -47.0721, -68.8278 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(93, 230, 76)` looks like.

```
.text, #text, p{  
    color:rgb(93, 230, 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(93, 230, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 230, 76) }
```

## Border

The CSS property to change the border of an element to YUV 171.4810, -47.0721, -68.8278 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(93, 230, 76) }
```



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

```
.border{ border-color:rgb(93, 230, 76) }
```

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

Here you see how a box with a 4 pixel rgb(93, 230, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 230, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 230, 76);  
box-shadow:4px 4px 4px 4px rgb(93, 230,  
76) }
```

# Background

The CSS property to change the background color of an element to YUV 171.4810, -47.0721, -68.8278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 230, 76) }
```

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

```
.background{ background-color: rgb(93, 230,  
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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