

# Converting Colors

YUV(67.8780, -11.7719, -4.2780)

Have a look what the booklet for  
YUV(67.8780, -11.7719, -4.2780)  
contains.

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# Color

**YUV(67.8780, -11.7719,  
-4.2780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3F4B2C
RGB	63, 75, 44
RGB Percent	25%, 29%, 17%
CMY	0.7529, 0.7059, 0.8275
CMYK	0.16, 0.00, 0.41, 0.71
HSL	83°, 26%, 23%
HSV	83°, 41%, 29%
XYZ	5.0206, 6.2708, 3.3286
YIQ	67.8780, 2.7990, -12.1850

# Conversions

## Conversions Part 2

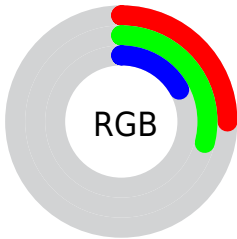
Format	Color
<a href="#">RYB</a>	<a href="#">44, 75, 56</a>
Decimal	<a href="#">4148012</a>
CIELab	<a href="#">30.09, -11.04, 16.92</a>
CIElCh	<a href="#">30, 20.205, 123.123</a>
Yxy	<a href="#">6.2708, 0.3434, 0.4289</a>
Android (android.graphics.Color)	<a href="#">4282338092 (0xFF3F4B2C)</a>
YUV	<a href="#">67.8780, -11.7719, -4.2780</a>
Hunter-Lab	<a href="#">25.0415, -8.0349, 9.6479</a>

# Details

The YUV color **67.8780, -11.7719, -4.2780** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **51.1220, 11.7719, 4.2780**, and the grayscale version is **68.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **116.2370, -12.9348, -4.5928**, and **24.7750, -12.2141, -2.4337** is the 20% darker color. If you saturate the color by 10%, you get **66.1830, -14.3872, -5.4225**, and if you desaturate by 10%, it is **69.6870, -8.7197, -3.2335**.

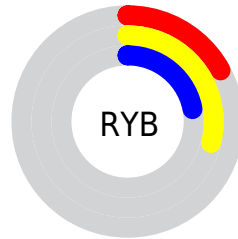
# Distribution



Red (25%)

Green (29%)

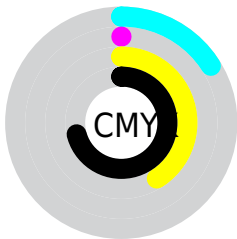
Blue (17%)



Red (17%)

Yellow (29%)

Blue (22%)

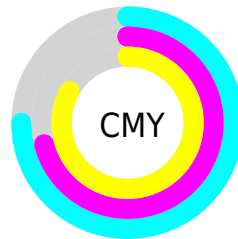


Cyan (16%)

Magenta (0%)

Yellow (41%)

Black (71%)



Cyan (75%)

Magenta (71%)

Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 67.8780, -11.7719, -4.2780 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 67.8780, -11.7719, -4.2780 by changing the saturation by 10% instead.



67.8780, -11.7719,  
-4.2780

67.8780, -11.7719,  
-4.2780

255.0000, 0.0000,  
0.0000

45.4050, -11.0457,  
-3.8632

116.2370,  
-12.9348, -4.5928

24.7750, -12.2141,  
-2.4337

142.1230,  
-13.3716, -4.4929

0.5870, -0.2894,  
-0.5148

168.0090,  
-13.8084, -4.3929

0.0000, 0.0000,  
0.0000

195.5960,  
-14.0978, -4.9077

223.4820,  
-14.5346, -4.8077

248.8460,

-13.2351, -1.6189

254.5440, -1.7472,  
0.3999

■ 67.8780, -11.7719,  
-4.2780

■ 67.8780, -11.7719,  
-4.2780

■ 66.1830, -14.3872,  
-5.4225

■ 69.6870, -8.7197,  
-3.2335

■ 64.3740, -17.4394,  
-6.4670

■ 71.3820, -6.1043,  
-2.0890

■ 62.5650, -20.4915,  
-7.5115

■ 73.1910, -3.0522,  
-1.0445

■ 60.8700, -23.1069,  
-8.6560

■ 74.8860, -0.4368,  
0.1000

■ 59.0610, -26.1591,  
-9.7005

■ 76.6950, 2.6154,  
1.1445

■ 57.7790, -28.4850,  
-10.3302

■ 78.0910, 5.3781,  
1.6742

■ 79.9000, 8.4303,  
2.7187

■ 81.5950, 11.0457,  
3.8632

■ 83.4040, 14.0978,  
4.9077

# Harmonies

## Analogous

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



69.4560, -15.0148, 9.2471



67.8780, -11.7719, -4.2780



65.3260, -4.5977, -18.7029

# Triad

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



67.8780, -11.7719, -4.2780



62.6610, 17.4221, -34.7827



72.8120, -1.3863, 24.7209

# Complementary

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



67.8780, -11.7719, -4.2780



51.1220, 11.7719, 4.2780

# 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.



73.0050, 5.9135, 16.6586



67.8780, -11.7719, -4.2780



69.1410, 16.1995, -15.9097

# Square

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



67.8780, -11.7719, -4.2780



57.4870, 14.5499, -46.9081



72.2250, 12.2141, 2.4337



71.2760, -8.5171, 25.1909



# Rectangle

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



67.8780, -11.7719, -4.2780



62.9810, 1.9814, -28.9243



72.2250, 12.2141, 2.4337



72.7840, 1.0925, 22.9914

# Sweetspot

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



67.8780, -11.7719, -4.2780



94.1370, -4.5045, -1.8741



60.3130, -8.0423, 12.8805



46.7180, -2.3260, -0.6297



176.0000, 0.0000, 0.0000



48.0000, 0.0000, 0.0000



# Same Dimension

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



67.8780, -11.7719, -4.2780



85.7330, -18.6024, -6.7818



63.3930, -9.5607, -13.4997



37.2450, -1.5998, -0.2149



78.7110, -38.8045, -13.7785



177.1690, -87.3443, -31.7202



# Inverse Universe

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



51.1220, 11.7719, 4.2780



59.2670, 18.6024, 6.7818



55.6070, 9.5607, 13.4997



35.0540, 1.4524, 0.8296



23.2890, 38.8045, 13.7785



52.8310, 87.3443, 31.7202



# Previews

## White Background



This preview shows how the YUV color 67.8780, -11.7719, -4.2780 looks on a white 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



# Black Background



This preview shows how the YUV color 67.8780, -11.7719, -4.2780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

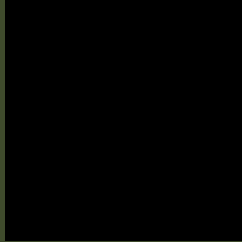
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 67.8780, -11.7719, -4.2780

## Background



This preview shows how black text looks on a background with the YUV color 67.8780, -11.7719, -4.2780.



This preview shows how white text looks on a background with the YUV color 67.8780, -11.7719,

-4.2780.

# 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

67.8780, -11.7719, -4.2780

### Protanopia

69.4880, -13.5516, 6.5880

### Deuteranopia

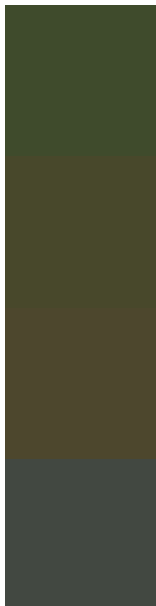
70.5750, -12.1155, 12.6507



**Tritanopia**

70.4880, 3.2104, -3.0590

# Trichromacy



## Original Color

67.8780, -11.7719, -4.2780

## Protanomaly

68.6940, -12.6671, 2.8994

## Deuteranomaly

69.8300, -12.2412, 6.2881

## Tritanomaly

69.4080, -2.1731, -2.9888

# Monochromacy



## Original Color

67.8780, -11.7719, -4.2780

## Achromatopsia

68.0000, 0.0000, 0.0000

## Achromatomaly

68.1370, -4.5045, -1.8741

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 67.8780, -11.7719, -4.2780 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(63, 75, 44)` looks like.

```
.text, #text, p{  
    color:rgb(63, 75, 44)  
}
```

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(63, 75, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 75, 44) }
```

## Border

The CSS property to change the border of an element to YUV 67.8780, -11.7719, -4.2780 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(63, 75, 44) }
```



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

```
.border{ border-color:rgb(63, 75, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 75, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 75, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 75, 44);  
box-shadow:4px 4px 4px 4px rgb(63, 75, 44)  
}
```

# Background

The CSS property to change the background color of an element to YUV 67.8780, -11.7719, -4.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 75, 44) }
```

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

```
.background{ background-color: rgb(63, 75,  
44) }
```

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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