

# Converting Colors

YUV(117.8190, -48.7178,  
86.1047)

Have a look what the booklet for  
YUV(117.8190, -48.7178, 86.1047)  
contains.

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# Color

**YUV(117.8190, -48.7178,  
86.1047)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D85713
RGB	216, 87, 19
RGB Percent	85%, 34%, 7%
CMY	0.1529, 0.6588, 0.9255
CMYK	0.00, 0.60, 0.91, 0.15
HSL	21°, 84%, 46%
HSV	21°, 91%, 85%
XYZ	31.8446, 21.4623, 3.0803
YIQ	117.8190, 98.7120, 6.2000

# Conversions

## Conversions Part 2

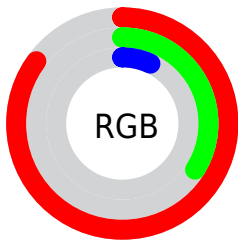
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	216, 123, 19
Decimal	14178067
CIE <sub>Lab</sub>	53.45, 47.91, 58.80
CIE <sub>LCh</sub>	53, 75.850, 50.828
Yxy	21.4623, 0.5647, 0.3806
Android (android.graphics.Color)	4292368147 (0xFFD85713)
YUV	117.8190, -48.7178, 86.1047
Hunter-Lab	46.3275, 41.6245, 28.4870

# Details

The YUV color **117.8190, -48.7178, 86.1047** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **117.1810, 48.7178, -86.1047**, and the grayscale version is **118.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **167.3340, -46.5067, 76.8831**, and **64.5310, -31.8138, 77.5873** is the 20% darker color. If you saturate the color by 10%, you get **108.6090, -53.5442, 94.1819**, and if you desaturate by 10%, it is **128.5450, -43.1597, 76.6980**.

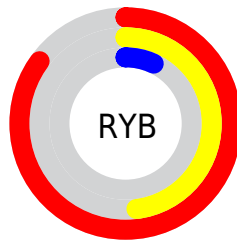
# Distribution



Red (85%)

Green (34%)

Blue (7%)



Red (85%)

Yellow (48%)

Blue (7%)

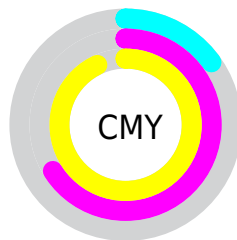


Cyan (0%)

Magenta (60%)

Yellow (91%)

Black (15%)



Cyan (15%)

Magenta (66%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 117.8190, -48.7178, 86.1047 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 117.8190, -48.7178, 86.1047 by changing the saturation by 10% instead.



■ 117.8190,  
-48.7178, 86.1047

■ 117.8190,  
-48.7178, 86.1047

■ 255.0000, 0.0000,  
0.0000

■ 90.2360, -44.4863,  
82.2310

■ 167.3340,  
-46.5067, 76.8831

■ 64.5310, -31.8138,  
77.5873

■ 186.0330,  
-43.4003, 60.4841

■ 36.4780, -17.9837,  
75.0028

■ 205.5470,  
-39.7097, 43.3703

■ 27.5080, -13.5614,  
56.5595

■ 225.5340,  
-36.7453, 25.8417

■ 18.9510, -8.8498,  
38.6310

■ 245.7490,  
-32.9073, 8.1131

■ 9.9810, -4.4276,  
20.1877

■ 249.5280,

■ 0.0000, 0.0000,

-20.9663, 4.7989

0.0000

■ 252.8340, -8.2992,  
1.8996

■ 117.8190,  
-48.7178, 86.1047

■ 117.8190,  
-48.7178, 86.1047

■ 108.6090,  
-53.5442, 94.1819

■ 128.5450,  
-43.1597, 76.6980

■ 139.1570,  
-38.0384, 67.3913

■ 149.8830,  
-32.4803, 57.9846

■ 161.0820,  
-27.6484, 48.1631

■ 171.8080,  
-22.0903, 38.7564

■ 182.5340,  
-16.5323, 29.3497

■ 193.1460,  
-11.4110, 20.0430

■ 203.8720, -5.8529,  
10.6363

■ 214.4840, -0.7316,  
1.3295

# Harmonies

## Analogous

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



111.2020, -12.4246, 112.0788



117.8190, -48.7178, 86.1047



120.3950, -59.3547, 44.3806

# Triad

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



117.8190, -48.7178, 86.1047



102.9550, 1.0082, -90.2915



118.5000, 65.3225, -45.1655

# Complementary

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



117.8190, -48.7178, 86.1047



117.1810, 48.7178, -86.1047

# 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.



112.4240, 70.2900, -98.5958



117.8190, -48.7178, 86.1047



111.2940, 30.4211, -97.6048

# Square

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



117.8190, -48.7178, 86.1047



91.2250, -28.7049, -80.0043



115.9170, 55.7499, -101.6592



129.2640, 40.2958, 48.8805



# Rectangle

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



117.8190, -48.7178, 86.1047



117.2510, -57.8047, 13.8119



115.9170, 55.7499, -101.6592



104.2060, 74.3414, -91.3887

# Sweetspot

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



117.8190, -48.7178, 86.1047



220.7190, -17.1165, 30.0644



92.8370, 28.1814, 108.0140



107.4770, -10.0952, 17.9987



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.



117.8190, -48.7178, 86.1047



127.9010, -63.0552, 111.4658



174.1710, -76.4993, 36.6840



101.6370, -2.7790, 4.7034



85.7620, -42.2807, 74.7537



21.6620, -10.6794, 18.7134

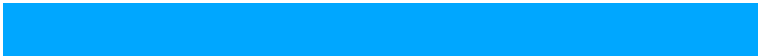


# Inverse Universe

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



117.1810, 48.7178, -86.1047



127.0990, 63.0552, -111.4658



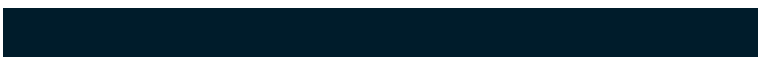
60.8290, 76.4993, -36.6840



101.3630, 2.7790, -4.7034



85.2380, 42.2807, -74.7537



21.3380, 10.6794, -18.7134



# Previews

## White Background



This preview shows how the YUV color 117.8190, -48.7178, 86.1047 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 117.8190, -48.7178, 86.1047 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 × Fail

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

# YUV 117.8190, -48.7178, 86.1047

## Background



This preview shows how black text looks on a background with the YUV color 117.8190, -48.7178, 86.1047.



This preview shows how white text looks on a background with the YUV color 117.8190, -48.7178, 86.1047.



# 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

117.8190, -48.7178, 86.1047

### Protanopia

122.1990, -45.4541, 19.1195

### Deuteranopia

120.0520, -59.1856, 36.7884



**Tritanopia**

122.5330, -18.0108, 83.7246

# Trichromacy



## Original Color

117.8190, -48.7178, 86.1047

## Protanomaly

120.7120, -46.6930, 43.2256

## Deuteranomaly

119.1990, -55.3141, 55.0765

## Tritanomaly

120.6720, -28.9253, 84.4797

# Monochromacy



## Original Color

117.8190, -48.7178, 86.1047

## Achromatopsia

118.0000, 0.0000, 0.0000

## Achromatomaly

118.2030, -17.8481, 31.3940

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 117.8190, -48.7178, 86.1047 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(216, 87, 19)` looks like.

```
.text, #text, p{  
    color:rgb(216, 87, 19)  
}
```

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(216, 87, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 87, 19) }
```

## Border

The CSS property to change the border of an element to YUV 117.8190, -48.7178, 86.1047 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(216, 87, 19) }
```



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

```
.border{ border-color:rgb(216, 87, 19) }
```

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

Here you see how a box with a 4 pixel rgb(216, 87, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 87, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 87, 19);  
box-shadow:4px 4px 4px 4px rgb(216, 87,  
19) }
```

# Background

The CSS property to change the background color of an element to YUV 117.8190, -48.7178, 86.1047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 87, 19) }
```

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

```
.background{ background-color: rgb(216, 87,  
19) }
```

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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