

# Converting Colors

YUV(116.6960, -48.6571,  
113.3996)

Have a look what the booklet for  
YUV(116.6960, -48.6571, 113.3996)  
contains.

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# Color

**YUV(116.6960, -48.6571,  
113.3996)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F64612
RGB	246, 70, 18
RGB Percent	96%, 27%, 7%
CMY	0.0353, 0.7255, 0.9294
CMYK	0.00, 0.72, 0.93, 0.04
HSL	14°, 93%, 52%
HSV	14°, 93%, 96%
XYZ	40.3054, 24.0168, 3.0836
YIQ	116.6960, 121.5880, 21.1400

# Conversions

## Conversions Part 2

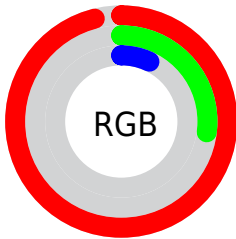
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	246, 85, 18
Decimal	16139794
CIE <sub>Lab</sub>	56.10, 64.85, 63.36
CIE <sub>LCh</sub>	56, 90.661, 44.332
Yxy	24.0168, 0.5980, 0.3563
Android (android.graphics.Color)	4294329874 (0xFFFF64612)
YUV	116.6960, -48.6571, 113.3996
Hunter-Lab	49.0070, 61.0437, 30.5742

# Details

The YUV color **116.6960, -48.6571, 113.3996** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **147.3040, 48.6571, -113.3996**, and the grayscale version is **117.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **160.1760, -43.4708, 83.1606**, and **53.8200, -26.5333, 110.6599** is the 20% darker color. If you saturate the color by 10%, you get **106.4260, -52.4680, 122.4064**, and if you desaturate by 10%, it is **130.6990, -43.2356, 101.1190**.

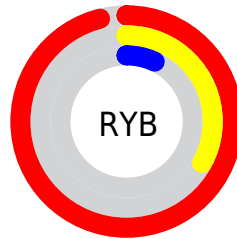
# Distribution



Red (96%)

Green (27%)

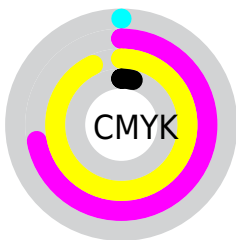
Blue (7%)



Red (96%)

Yellow (33%)

Blue (7%)

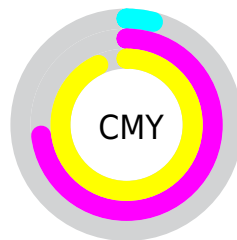


Cyan (0%)

Magenta (72%)

Yellow (93%)

Black (4%)



Cyan (4%)

Magenta (73%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 116.6960, -48.6571, 113.3996 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 116.6960, -48.6571, 113.3996 by changing the saturation by 10% instead.



116.6960,  
-48.6571, 113.3996

116.6960,  
-48.6571, 113.3996

255.0000, 0.0000,  
0.0000

84.8190, -41.8158,  
112.4147

160.1760,  
-43.4708, 83.1606

53.8200, -26.5333,  
110.6599

179.5760,  
-40.2170, 66.1468

44.2520, -21.8162,  
90.9870

199.5630,  
-37.2526, 48.6182

34.6840, -17.0992,  
71.3141

220.2510,  
-34.1407, 30.4749

25.5290, -12.0928,  
52.1561

240.3520,  
-30.7395, 12.8463

16.9720, -7.3812,  
34.2276

249.4140,


3.8870, -1.9163,


-21.4031, 4.8989


7.9921


 252.7200, -8.7360,  
1.9996

 0.0000, 0.0000,  
0.0000


 116.6960,  
-48.6571, 113.3996

 116.6960,  
-48.6571, 113.3996


 106.4260,  
-52.4680, 122.4064

 130.6990,  
-43.2356, 101.1190

 144.5880,  
-38.2509, 88.9383

 158.5910,  
-32.8294, 76.6577

 172.4800,  
-27.8446, 64.4770

 186.4830,  
-22.4231, 52.1964

■ 200.4860,  
-17.0016, 39.9158

■ 214.3750,  
-12.0169, 27.7351

■ 228.3780, -6.5954,  
15.4545

■ 242.2670, -1.6106,  
3.2738

# Harmonies

## Analogous

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



87.7590, 6.5278, 146.6704



116.6960, -48.6571, 113.3996



126.9950, -62.6085, 61.3944

# Triad

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



116.6960, -48.6571, 113.3996



107.0010, -8.8745, -93.8399



106.5540, 73.1839, -93.4479

# Complementary

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



116.6960, -48.6571, 113.3996



147.3040, 48.6571, -113.3996

# 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.



120.6420, 66.2385, -105.8030



116.6960, -48.6571, 113.3996



117.6370, 26.8010, -103.1676

# Square

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



116.6960, -48.6571, 113.3996



92.7460, -45.7238, -81.3382



124.6710, 58.8292, -109.3365



135.3350, 56.0368, 40.0482



# Rectangle

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



116.6960, -48.6571, 113.3996



124.9920, -61.6211, 24.5630



124.6710, 58.8292, -109.3365



112.4240, 70.2900, -98.5958

# Sweetspot

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



116.6960, -48.6571, 113.3996



214.6210, -15.0962, 35.4124



106.5780, 44.5780, 122.2731



103.0260, -9.3798, 21.9022



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.



116.6960, -48.6571, 113.3996



110.2910, -54.3735, 126.9098



181.8530, -80.7795, 56.2569



115.3490, -2.6371, 5.8329



80.2680, -39.5721, 92.7270



25.2720, -12.4591, 29.5795

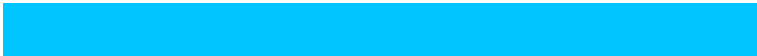


# Inverse Universe

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



147.3040, 48.6571, -113.3996



144.7090, 54.3735, -126.9098



82.1470, 80.7795, -56.2569



117.2380, 2.3477, -6.3477



105.7320, 39.5721, -92.7270



33.1410, 12.7485, -29.0647



# Previews

## White Background



This preview shows how the YUV color 116.6960, -48.6571, 113.3996 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 116.6960, -48.6571, 113.3996 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 116.6960, -48.6571, 113.3996 Background



This preview shows how black text looks on a background with the YUV color 116.6960, -48.6571, 113.3996.



This preview shows how white text looks on a background with the YUV color 116.6960, -48.6571, 113.3996.



# 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

116.6960, -48.6571, 113.3996

### Protanopia

128.6830, -46.1857, 20.4490

### Deuteranopia

125.9660, -62.1012, 38.6178



## Tritanopia

120.3470, -25.8071, 111.0747

# Trichromacy



## Original Color

116.6960, -48.6571, 113.3996

## Protanomaly

124.0770, -46.8730, 54.3065

## Deuteranomaly

122.8090, -57.0938, 65.9425

## Tritanomaly

118.8820, -33.9588, 112.3595

# Monochromacy



## Original Color

116.6960, -48.6571, 113.3996

## Achromatopsia

117.0000, 0.0000, 0.0000

## Achromatomaly

116.9700, -17.7332, 41.2453

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 116.6960, -48.6571, 113.3996 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(246, 70, 18)` looks like.

```
.text, #text, p{  
    color:rgb(246, 70, 18)  
}
```

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(246, 70, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 70, 18) }
```

## Border

The CSS property to change the border of an element to YUV 116.6960, -48.6571, 113.3996 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(246, 70, 18) }
```



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

```
.border{ border-color:rgb(246, 70, 18) }
```

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

Here you see how a box with a 4 pixel rgb(246, 70, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 70, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 70, 18);  
box-shadow:4px 4px 4px 4px rgb(246, 70,  
18) }
```

# Background

The CSS property to change the background color of an element to YUV 116.6960, -48.6571, 113.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 70, 18) }
```

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

```
.background{ background-color: rgb(246, 70,  
18) }
```

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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