

# Converting Colors

YUV(118.3710, -36.6649,  
-46.8064)

Have a look what the booklet for  
YUV(118.3710, -36.6649, -46.8064)  
contains.

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# Color

**YUV(118.3710, -36.6649,  
-46.8064)**

# Conversions

## Conversions Part 1

Format	Color
Hex	41A02C
RGB	65, 160, 44
RGB Percent	25%, 63%, 17%
CMY	0.7451, 0.3725, 0.8275
CMYK	0.59, 0.00, 0.72, 0.37
HSL	109°, 57%, 40%
HSV	109°, 72%, 63%
XYZ	15.2054, 26.4473, 6.6863
YIQ	118.3710, -19.3840, -56.2160

# Conversions

## Conversions Part 2

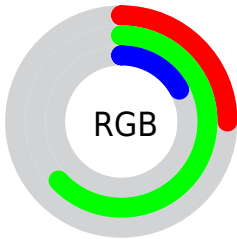
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	44, 160, 139
Decimal	4300844
CIE <sub>Lab</sub>	58.46, -49.52, 49.47
CIE <sub>LCh</sub>	58, 69.995, 135.025
Yxy	26.4473, 0.3146, 0.5471
Android (android.graphics.Color)	4282490924 (0xFF41A02C)
YUV	118.3710, -36.6649, -46.8064
Hunter-Lab	51.4269, -37.2200, 28.2902

# Details

The YUV color **118.3710, -36.6649, -46.8064** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **85.6290, 36.6649, 46.8064**, and the grayscale version is **119.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **174.6270, -38.2701, -45.2769**, and **62.8090, -30.9648, -55.0835** is the 20% darker color. If you saturate the color by 10%, you get **112.6600, -41.7374, -53.1988**, and if you desaturate by 10%, it is **124.0820, -31.5924, -40.4139**.

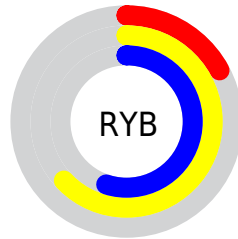
# Distribution



Red (25%)

Green (63%)

Blue (17%)



Red (17%)

Yellow (63%)

Blue (55%)

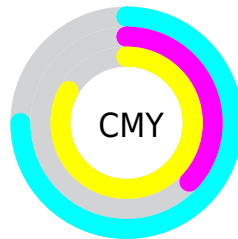


Cyan (59%)

Magenta (0%)

Yellow (72%)

Black (37%)



Cyan (75%)

Magenta (37%)

Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 118.3710, -36.6649, -46.8064 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 118.3710, -36.6649, -46.8064 by changing the saturation by 10% instead.



■ 118.3710,  
-36.6649, -46.8064

■ 118.3710,  
-36.6649, -46.8064

■ 255.0000, 0.0000,  
0.0000

■ 88.7080, -37.8170,  
-50.6099

■ 174.6270,  
-38.2701, -45.2769

■ 62.8090, -30.9648,  
-55.0835

■ 202.6980,  
-39.2911, -44.4621

■ 48.1340, -23.7301,  
-42.2135

■ 220.6050,  
-34.8083, -35.6106

■ 34.0460, -16.7847,  
-29.8583

■ 232.4680,  
-26.8527, -20.5814

■ 21.1320, -10.4181,  
-18.5328

■ 244.6300,  
-19.0446, -4.9375

■ 0.0000, 0.0000,  
0.0000

■ 252.7200, -8.7360,

1.9996

■ 118.3710,  
-36.6649, -46.8064

■ 118.3710,  
-36.6649, -46.8064

■ 112.6600,  
-41.7374, -53.1988

■ 124.0820,  
-31.5924, -40.4139

■ 106.9490,  
-46.8099, -59.5913

■ 129.7930,  
-26.5199, -34.0215

■ 102.5910,  
-50.5774, -64.5393

■ 135.5040,  
-21.4475, -27.6290

■ 141.2150,  
-16.3750, -21.2366

■ 147.2250,  
-11.4499, -14.2293

■ 152.9360, -6.3774,  
-7.8369

■ 158.6470, -1.3050,  
-1.4444

■ 164.3580, 3.7675,  
4.9480

■ 170.0690, 8.8400,  
11.3405

# Harmonies

## Analogous

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



128.1490, -63.1775, 10.3933



118.3710, -36.6649, -46.8064



110.2270, -1.5909, -96.6691

# Triad

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



118.3710, -36.6649, -46.8064



120.6420, 66.2385, -105.8030



131.9450, -9.3399, 102.6572

# Complementary

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



118.3710, -36.6649, -46.8064



85.6290, 36.6649, 46.8064

# 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.



137.3490, 18.0689, 84.7629



118.3710, -36.6649, -46.8064



127.1300, 63.0399, -59.7500

# Square

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



118.3710, -36.6649, -46.8064



123.3200, 51.1142, -108.1516



144.0940, 41.3657, 32.3666



134.0500, -38.9717, 86.7791



# Rectangle

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



118.3710, -36.6649, -46.8064



115.7160, 16.9020, -101.4829



144.0940, 41.3657, 32.3666



132.1650, 0.4117, 101.5873

# Sweetspot

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



118.3710, -36.6649, -46.8064



192.3940, -14.4912, -18.7625



134.4490, -44.5914, 22.4082



94.9310, -8.8400, -11.3405



232.0000, 0.0000, 0.0000



105.0000, 0.0000, 0.0000



# Same Dimension

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



118.3710, -36.6649, -46.8064



143.7010, -57.5336, -73.4058



116.3100, -17.4078, -63.4159



76.2940, -2.6099, -2.8888



91.7150, -45.2155, -57.6321



9.7020, -4.7831, -5.8777



# Inverse Universe

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



85.6290, 36.6649, 46.8064



92.2990, 57.5336, 73.4058



87.6900, 17.4078, 63.4159



74.0050, 2.4625, 3.5036



51.2850, 45.2155, 57.6321



5.5970, 4.6357, 6.4924



# Previews

## White Background



This preview shows how the YUV color 118.3710, -36.6649, -46.8064 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 118.3710, -36.6649, -46.8064 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 118.3710, -36.6649, -46.8064 Background



This preview shows how black text looks on a background with the YUV color 118.3710, -36.6649, -46.8064.



This preview shows how white text looks on a background with the YUV color 118.3710, -36.6649, -46.8064.



# 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

118.3710, -36.6649, -46.8064

### Protanopia

133.5690, -46.6225, 20.5490

### Deuteranopia

136.2530, -40.5507, 33.1041



## Tritanopia

132.7270, 13.9386, -37.4716

# Trichromacy



## Original Color

118.3710, -36.6649, -46.8064

## Protanomaly

128.0390, -42.9102, -3.5422

## Deuteranomaly

129.7070, -39.2956, 3.7650

## Tritanomaly

127.4820, -4.6746, -40.7647

# Monochromacy



## Original Color

118.3710, -36.6649, -46.8064

## Achromatopsia

118.0000, 0.0000, 0.0000

## Achromatomaly

118.0460, -13.3337, -16.7033

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 118.3710, -36.6649, -46.8064 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(65, 160, 44)` looks like.

```
.text, #text, p{  
    color:rgb(65, 160, 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(65, 160, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 160, 44) }
```

## Border

The CSS property to change the border of an element to YUV 118.3710, -36.6649, -46.8064 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(65, 160, 44) }
```



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

```
.border{ border-color:rgb(65, 160, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 160, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 160, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 160, 44);  
box-shadow:4px 4px 4px 4px rgb(65, 160,  
44) }
```

# Background

The CSS property to change the background color of an element to YUV 118.3710, -36.6649, -46.8064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 160, 44) }
```

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

```
.background{ background-color: rgb(65, 160,  
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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