

# Converting Colors

YUV(85.3610, -17.4330,  
38.2714)

Have a look what the booklet for  
YUV(85.3610, -17.4330, 38.2714)  
contains.

<b>YUV(85.3610, -17.4330, 38.2714)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(85.3610, -17.4330,  
38.2714)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	814632
RGB	129, 70, 50
RGB Percent	51%, 27%, 20%
CMY	0.4941, 0.7255, 0.8039
CMYK	0.00, 0.46, 0.61, 0.49
HSL	15°, 44%, 35%
HSV	15°, 61%, 51%
XYZ	11.8191, 9.2777, 4.1855
YIQ	85.3610, 41.5840, 6.2880

# Conversions

## Conversions Part 2

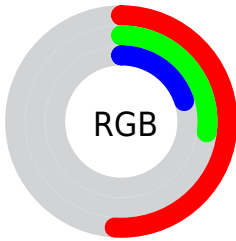
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 77, 50
Decimal	8472114
CIE Lab	36.51, 23.21, 23.04
CIE LCh	37, 32.709, 44.787
Yxy	9.2777, 0.4675, 0.3670
Android (android.graphics.Color)	4286662194 (0xFF814632)
YUV	85.3610, -17.4330, 38.2714
Hunter-Lab	30.4594, 15.9594, 13.1745

# Details

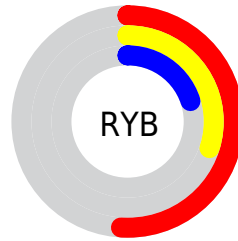
The YUV color **85.3610, -17.4330, 38.2714** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **93.6390, 17.4330, -38.2714**, and the grayscale version is **86.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **136.2260, -19.3384, 42.7748**, and **37.3820, -15.9643, 33.8680** is the 20% darker color. If you saturate the color by 10%, you get **78.0090, -20.2174, 44.7191**, and if you desaturate by 10%, it is **92.7130, -14.6485, 31.8237**.

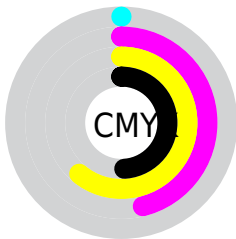
# Distribution



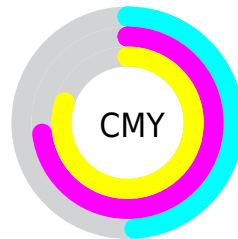
- Red (51%)
- Green (27%)
- Blue (20%)



- Red (51%)
- Yellow (30%)
- Blue (20%)



- Cyan (0%)
- Magenta (46%)
- Yellow (61%)
- Black (49%)



- Cyan (49%)
- Magenta (73%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 85.3610, -17.4330, 38.2714 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 85.3610, -17.4330, 38.2714 by changing the saturation by 10% instead.



■ 85.3610, -17.4330,  
38.2714

■ 85.3610, -17.4330,  
38.2714

■ 255.0000, 0.0000,  
0.0000

■ 61.2790, -16.4065,  
35.7123

■ 136.2260,  
-19.3384, 42.7748

■ 37.3820, -15.9643,  
33.8680

■ 163.0090,  
-20.2174, 44.7191

■ 16.1240, -7.9491,  
29.7093

■ 190.3790,  
-21.3858, 46.1486

■ 5.6810, -2.8007,  
11.6808

■ 212.8940,  
-19.1747, 36.9270

■ 0.0000, 0.0000,  
0.0000

■ 233.1090,  
-15.3367, 19.1984

■ 252.1500,

-10.9200, 2.4994

■ 85.3610, -17.4330,  
38.2714

■ 85.3610, -17.4330,  
38.2714

■ 78.0090, -20.2174,  
44.7191

■ 92.7130, -14.6485,  
31.8237

■ 71.2440, -23.2913,  
50.6520

■ 99.4780, -11.5747,  
25.8908

■ 63.8920, -26.0758,  
57.0997

■ 106.8300, -8.7902,  
19.4431

■ 57.9420, -28.5654,  
62.3179

■ 114.1820, -6.0057,  
12.9954

■ 120.8330, -3.3687,  
7.1625

■ 128.1850, -0.5842,  
0.7148

■ 134.9500, 2.4897,  
-5.2181

■ 142.3020, 5.2741,  
-11.6659

■ 149.6540, 8.0586,  
-18.1136

# Harmonies

## Analogous

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



86.3690, -6.0979, 42.6494



85.3610, -17.4330, 38.2714



84.3240, -24.8097, 24.2719

# Triad

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



85.3610, -17.4330, 38.2714



67.7130, 1.6205, -53.2453



84.3610, 25.9510, -16.9796

# Complementary

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



85.3610, -17.4330, 38.2714



93.6390, 17.4330, -38.2714

# 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.



69.5080, 32.7806, -60.9585



85.3610, -17.4330, 38.2714



69.2850, 14.1565, -60.7629

# Square

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



85.3610, -17.4330, 38.2714



78.7640, -15.6597, -17.3330



70.8470, 25.2184, -62.1328



88.5560, 16.9809, 13.5444



# Rectangle

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



85.3610, -17.4330, 38.2714



83.0190, -25.6454, 12.2613



70.8470, 25.2184, -62.1328



80.5550, 28.3204, -30.3047

# Sweetspot

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



85.3610, -17.4330, 38.2714



151.6660, -6.7373, 14.3249



80.3470, 14.1259, 42.6687



73.7300, -3.8109, 9.0068



212.0000, 0.0000, 0.0000



84.0000, 0.0000, 0.0000



# Same Dimension

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



85.3610, -17.4330, 38.2714



100.5610, -27.3916, 59.1440



108.2540, -28.7192, 18.1942



60.2670, -1.6106, 3.2738



57.0560, -28.1286, 62.2179



0.0000, 0.0000, 0.0000



# Inverse Universe

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



93.6390, 17.4330, -38.2714



113.0260, 27.1022, -59.6588



70.7460, 28.7192, -18.1942



60.7330, 1.6106, -3.2738



70.3570, 28.4180, -61.7031



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 85.3610, -17.4330, 38.2714 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 85.3610, -17.4330, 38.2714 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 85.3610, -17.4330, 38.2714

## Background



This preview shows how black text looks on a background with the YUV color 85.3610, -17.4330, 38.2714.



This preview shows how white text looks on a background with the YUV color 85.3610, -17.4330,



# 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

85.3610, -17.4330, 38.2714

### Protanopia

84.9720, -14.2832, 7.9176

### Deuteranopia

85.1860, -18.8257, 18.2539



## Tritanopia

86.4070, -7.1027, 38.2311

# Trichromacy



## Original Color

85.3610, -17.4330, 38.2714

## Protanomaly

85.1090, -15.3367, 19.1984

## Deuteranomaly

85.3440, -18.4106, 25.1313

## Tritanomaly

86.0820, -10.8864, 38.5161

# Monochromacy



## Original Color

85.3610, -17.4330, 38.2714

## Achromatopsia

85.0000, 0.0000, 0.0000

## Achromatomaly

85.3670, -6.5899, 13.7101

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 85.3610, -17.4330, 38.2714 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(129, 70, 50)` looks like.

```
.text, #text, p{  
    color:rgb(129, 70, 50)  
}
```

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(129, 70, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 70, 50) }
```

## Border

The CSS property to change the border of an element to YUV 85.3610, -17.4330, 38.2714 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(129, 70, 50) }
```



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

```
.border{ border-color:rgb(129, 70, 50) }
```

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

Here you see how a box with a 4 pixel rgb(129, 70, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 70, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 70, 50);  
box-shadow:4px 4px 4px 4px rgb(129, 70,  
50) }
```

# Background

The CSS property to change the background color of an element to YUV 85.3610, -17.4330, 38.2714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 70, 50) }
```

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

```
.background{ background-color: rgb(129, 70,  
50) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor