

# Converting Colors

YUV(87.6030, -38.2583, -2.2828)

Have a look what the booklet for  
YUV(87.6030, -38.2583, -2.2828)  
contains.

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# Color

**YUV(87.6030, -38.2583,  
-2.2828)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	55680A
RGB	85, 104, 10
RGB Percent	33%, 41%, 4%
CMY	0.6667, 0.5922, 0.9608
CMYK	0.18, 0.00, 0.90, 0.59
HSL	72°, 82%, 22%
HSV	72°, 90%, 41%
XYZ	8.7514, 11.8538, 2.1139
YIQ	87.6030, 18.8500, -33.2620

# Conversions

## Conversions Part 2

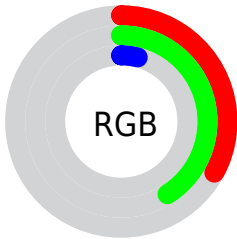
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	10, 104, 29
Decimal	5597194
CIE <sub>Lab</sub>	40.98, -19.84, 44.49
CIE <sub>LCh</sub>	41, 48.715, 114.030
Yxy	11.8538, 0.3852, 0.5218
Android (android.graphics.Color)	4283787274 (0xFF55680A)
YUV	87.6030, -38.2583, -2.2828
Hunter-Lab	34.4294, -14.8796, 20.4602

# Details

The YUV color **87.6030, -38.2583, -2.2828** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **26.3970, 38.2583, 2.2828**, and the grayscale version is **88.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.6570, -36.8059, -1.4532**, and **43.9240, -21.6545, -7.8263** is the 20% darker color. If you saturate the color by 10%, you get **85.8650, -42.3314, -2.5126**, and if you desaturate by 10%, it is **89.3410, -34.1851, -2.0531**.

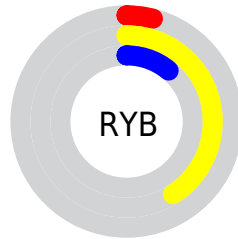
# Distribution



Red (33%)

Green (41%)

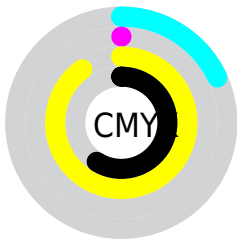
Blue (4%)



Red (4%)

Yellow (41%)

Blue (11%)

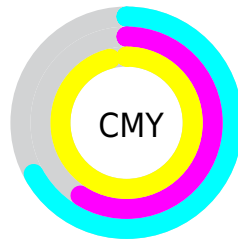


Cyan (18%)

Magenta (0%)

Yellow (90%)

Black (59%)



Cyan (67%)

Magenta (59%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 87.6030, -38.2583, -2.2828 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 87.6030, -38.2583, -2.2828 by changing the saturation by 10% instead.



87.6030, -38.2583,  
-2.2828

87.6030, -38.2583,  
-2.2828

254.8860, -0.4368,  
0.1000

64.9000, -31.9957,  
-4.2973

139.6570,  
-36.8059, -1.4532

43.9240, -21.6545,  
-7.8263

166.4290,  
-37.6795, -1.2532

22.9370, -11.3079,  
-13.0997

194.2010,  
-38.5531, -1.0533

4.1090, -2.0257,  
-3.6036


221.9730,  
-39.4267, -0.8533


0.0000, 0.0000,  
0.0000


244.0000,  
-36.9750, 6.1390


248.3880,


-25.3343, 5.7987


 251.5800,  
-13.1039, 2.9993


 87.6030, -38.2583,  
-2.2828


 87.6030, -38.2583,  
-2.2828


 85.8650, -42.3314,  
-2.5126

 89.3410, -34.1851,  
-2.0531

 91.1930, -29.6751,  
-1.9233

 92.9310, -25.6020,  
-1.6935

 94.7830, -21.0920,  
-1.5637

 96.8200, -17.1663,  
-0.7191

■ 98.5580, -13.0931,  
-0.4894

■ 100.4100, -8.5831,  
-0.3596

■ 102.1480, -4.5100,  
-0.1298

■ 104.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



90.8950, -44.3182, 28.1561



87.6030, -38.2583, -2.2828



78.5880, -15.5729, -45.2427

# Triad

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



87.6030, -38.2583, -2.2828



84.0980, 37.9127, -73.7539



94.5790, 5.6306, 60.8822

# Complementary

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



87.6030, -38.2583, -2.2828



26.3970, 38.2583, 2.2828

# 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.



99.0560, 22.1574, 33.2769



87.6030, -38.2583, -2.2828



81.1120, 46.7798, -71.1352

# Square

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



87.6030, -38.2583, -2.2828



82.0970, 22.6302, -71.9991



95.8420, 36.5599, -13.0164



92.7910, -12.7150, 65.0813



# Rectangle

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



87.6030, -38.2583, -2.2828



75.2400, -1.1043, -65.9855



95.8420, 36.5599, -13.0164



96.7290, 11.4726, 53.7347

# Sweetspot

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



87.6030, -38.2583, -2.2828



128.8030, -14.6929, -0.7042



49.2590, -19.3547, 48.0079



64.9970, -8.8725, -0.8744



196.0000, 0.0000, 0.0000



69.0000, 0.0000, 0.0000



# Same Dimension

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



87.6030, -38.2583, -2.2828



111.5370, -54.9877, -3.1019



73.5500, -31.3301, -31.1773



50.1310, -2.0366, -0.1149



95.0130, -46.8414, -2.6424



199.7610, -98.4822, -5.9294



# Inverse Universe

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



26.3970, 38.2583, 2.2828



23.4630, 54.9877, 3.1019



40.4500, 31.3301, 31.1773



46.8690, 2.0366, 0.1149



19.9870, 46.8414, 2.6424



42.2390, 98.4822, 5.9294



# Previews

## White Background



This preview shows how the YUV color 87.6030, -38.2583, -2.2828 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 × Fail



# Black Background



This preview shows how the YUV color 87.6030, -38.2583, -2.2828 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

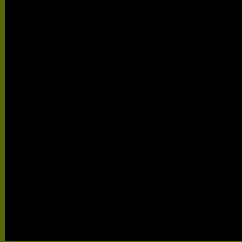
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 87.6030, -38.2583, -2.2828

## Background



This preview shows how black text looks on a background with the YUV color 87.6030, -38.2583, -2.2828.



This preview shows how white text looks on a background with the YUV color 87.6030, -38.2583, -2.2828.

-2.2828.

# 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

87.6030, -38.2583, -2.2828

### Protanopia

90.3280, -41.0807, 16.3753

### Deuteranopia

92.8760, -35.4349, 25.5417



## Tritanopia

96.6020, 3.6472, -3.1590

# Trichromacy



## Original Color

87.6030, -38.2583, -2.2828

## Protanomaly

89.5120, -40.1854, 9.1980

## Deuteranomaly

90.8810, -36.4233, 15.8904

## Tritanomaly

93.5900, -11.6299, -3.1484

# Monochromacy



## Original Color

87.6030, -38.2583, -2.2828

## Achromatopsia

88.0000, 0.0000, 0.0000

## Achromatomaly

88.0310, -13.8193, -0.9042

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 87.6030, -38.2583, -2.2828 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(85, 104, 10)` looks like.

```
.text, #text, p{  
    color:rgb(85, 104, 10)  
}
```

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(85, 104, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 104, 10) }
```

## Border

The CSS property to change the border of an element to YUV 87.6030, -38.2583, -2.2828 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(85, 104, 10) }
```



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

```
.border{ border-color:rgb(85, 104, 10) }
```

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

Here you see how a box with a 4 pixel rgb(85, 104, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 104, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 104, 10);  
box-shadow:4px 4px 4px 4px rgb(85, 104,  
10) }
```

# Background

The CSS property to change the background color of an element to YUV 87.6030, -38.2583, -2.2828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 104, 10) }
```

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

```
.background{ background-color: rgb(85, 104,  
10) }
```

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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