

# Converting Colors

YUV(158.8050, -48.2179,  
-27.8930)

Have a look what the booklet for  
YUV(158.8050, -48.2179, -27.8930)  
contains.

<b>YUV(158.8050, -48.2179, -27.8930)</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(158.8050, -48.2179,  
-27.8930)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7FC23D
RGB	127, 194, 61
RGB Percent	50%, 76%, 24%
CMY	0.5020, 0.2392, 0.7608
CMYK	0.35, 0.00, 0.69, 0.24
HSL	90°, 52%, 50%
HSV	90°, 69%, 76%
XYZ	28.8865, 43.4325, 11.2757
YIQ	158.8050, 2.7610, -55.5670

# Conversions

## Conversions Part 2

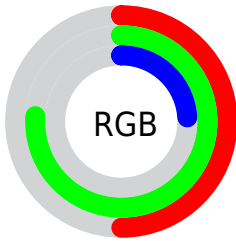
<b>Format</b>	<b>Color</b>
<b>RYB</b>	61, 194, 128
Decimal	8372797
CIELab	71.85, -42.49, 57.54
CIELCh	72, 71.527, 126.441
Yxy	43.4325, 0.3456, 0.5196
Android (android.graphics.Color)	4286562877 (0xFF7FC23D)
YUV	158.8050, -48.2179, -27.8930
Hunter-Lab	65.9034, -37.0915, 35.9881

# Details

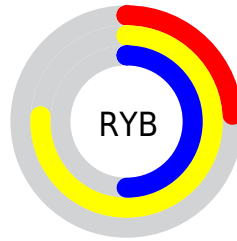
The YUV color **158.8050, -48.2179, -27.8930** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **96.1950, 48.2179, 27.8930**, and the grayscale version is **159.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **215.4630, -49.5283, -27.5931**, and **103.4090, -50.9806, -28.4227** is the 20% darker color. If you saturate the color by 10%, you get **153.6490, -55.0430, -32.1412**, and if you desaturate by 10%, it is **163.9610, -41.3928, -23.6448**.

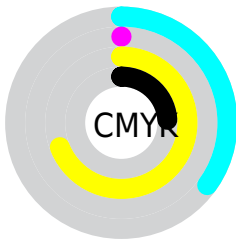
# Distribution



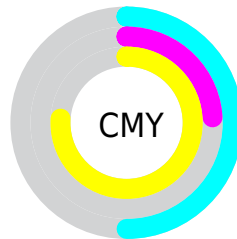
- Red (50%)
- Green (76%)
- Blue (24%)



- Red (24%)
- Yellow (76%)
- Blue (50%)



- Cyan (35%)
- Magenta (0%)
- Yellow (69%)
- Black (24%)



- Cyan (50%)
- Magenta (24%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 158.8050, -48.2179, -27.8930 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 158.8050, -48.2179, -27.8930 by changing the saturation by 10% instead.



■ 158.8050,  
-48.2179, -27.8930

■ 158.8050,  
-48.2179, -27.8930

■ 255.0000, 0.0000,  
0.0000

■ 131.1640,  
-49.3809, -28.2078

■ 215.4630,  
-49.5283, -27.5931

■ 103.4090,  
-50.9806, -28.4227

■ 229.6740,  
-42.7303, -14.6231

■ 79.1770, -39.0343,  
-33.4812

■ 241.4230,  
-35.2115, 0.5060

■ 52.5420, -25.9032,  
-45.2023

■ 248.6160,  
-24.4607, 5.5988

■ 38.1550, -18.8104,  
-33.4619

■ 251.9220,  
-11.7935, 2.6994

■ 25.2410, -12.4438,  
-22.1364

■ 7.0440, -3.4727,

-6.1776

■ 0.0000, 0.0000,  
0.0000

■ 158.8050,  
-48.2179, -27.8930

■ 158.8050,  
-48.2179, -27.8930

■ 153.6490,  
-55.0430, -32.1412

■ 163.9610,  
-41.3928, -23.6448

■ 148.3790,  
-62.3048, -36.2894

■ 169.2310,  
-34.1309, -19.4966

■ 143.5220,  
-69.2773, -39.9228

■ 174.0880,  
-27.1584, -15.8632

■ 142.5820,  
-70.2929, -40.8524

■ 179.3580,  
-19.8965, -11.7150

■ 184.5140,  
-13.0714, -7.4668

■ 189.6700, -6.2463,  
-3.2186

■ 194.6410, 1.1630,  
0.3148

■ 199.7970, 7.9881,  
4.5630

■ 205.0670, 15.2500,  
8.7112

# Harmonies

## Analogous

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



165.4840, -71.2306, 26.7625



158.8050, -48.2179, -27.8930



132.9550, -5.8938, -116.6015

# Triad

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



158.8050, -48.2179, -27.8930



144.7090, 54.3735, -126.9098



160.7990, 2.0711, 82.6143

# Complementary

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



158.8050, -48.2179, -27.8930



96.1950, 48.2179, 27.8930

# 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.



175.2530, 26.9903, 69.9381



158.8050, -48.2179, -27.8930



141.3190, 56.0447, -102.8888

# Square

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



158.8050, -48.2179, -27.8930



149.0630, 50.7479, -130.7283



176.8980, 38.5043, 16.7525



162.4220, -29.7880, 81.1909

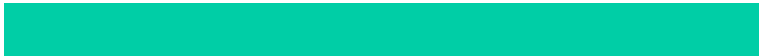


# Rectangle

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



158.8050, -48.2179, -27.8930



139.8460, 12.8939, -122.6449



176.8980, 38.5043, 16.7525



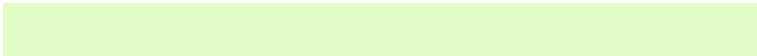
163.8940, 11.3913, 79.9000

# Sweetspot

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



158.8050, -48.2179, -27.8930



238.1840, -19.3177, -10.6854



140.0960, -38.9943, 47.2738



119.2690, -11.4716, -7.2519



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.



158.8050, -48.2179, -27.8930



197.3060, -75.0869, -43.2414



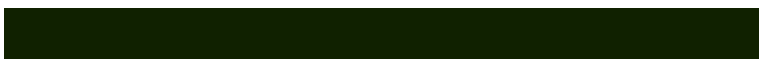
139.0710, -38.4890, -68.4683



94.3650, -3.6309, -2.0741



118.4270, -58.3845, -33.7005



24.1550, -11.9084, -7.1519



# Inverse Universe

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



96.1950, 48.2179, 27.8930



99.9930, 74.9395, 43.8561



115.9290, 38.4890, 68.4683



89.6350, 3.6309, 2.0741



42.5730, 58.3845, 33.7005



8.8450, 11.9084, 7.1519



# Previews

## White Background



This preview shows how the YUV color 158.8050, -48.2179, -27.8930 looks on a white 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



# Black Background



This preview shows how the YUV color 158.8050, -48.2179, -27.8930 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 ✓ Pass

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

# YUV 158.8050, -48.2179, -27.8930 Background



This preview shows how black text looks on a background with the YUV color 158.8050, -48.2179, -27.8930.



This preview shows how white text looks on a background with the YUV color 158.8050, -48.2179, -27.8930.

-27.8930.

# 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

158.8050, -48.2179, -27.8930

### Protanopia

168.3000, -55.3639, 24.2929

### Deuteranopia

171.3050, -49.4504, 40.9515



## Tritanopia

172.2450, 11.7112, -23.0169

# Trichromacy



## Original Color

158.8050, -48.2179, -27.8930

## Protanomaly

165.1620, -52.8309, 5.1199

## Deuteranomaly

166.8520, -49.2270, 15.9158

## Tritanomaly

167.5010, -10.1070, -24.9954

# Monochromacy



## Original Color

158.8050, -48.2179, -27.8930

## Achromatopsia

159.0000, 0.0000, 0.0000

## Achromatomaly

158.9390, -17.7179, -10.4705

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 158.8050, -48.2179, -27.8930 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(127, 194, 61)` looks like.

```
.text, #text, p{  
    color:rgb(127, 194, 61)  
}
```

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(127, 194, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 194, 61) }
```

## Border

The CSS property to change the border of an element to YUV 158.8050, -48.2179, -27.8930 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(127, 194, 61) }
```



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

```
.border{ border-color:rgb(127, 194, 61) }
```

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

Here you see how a box with a 4 pixel rgb(127, 194, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 194, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 194, 61);  
box-shadow:4px 4px 4px 4px rgb(127, 194,  
61) }
```

# Background

The CSS property to change the background color of an element to YUV 158.8050, -48.2179, -27.8930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 194, 61) }
```

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

```
.background{ background-color: rgb(127,  
194, 61) }
```

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