

# Converting Colors

YUV(157.9580, -33.5033,  
-34.1662)

Have a look what the booklet for  
YUV(157.9580, -33.5033, -34.1662)  
contains.

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# Color

**YUV(157.9580, -33.5033,  
-34.1662)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77BF5A
RGB	119, 191, 90
RGB Percent	47%, 75%, 35%
CMY	0.5333, 0.2510, 0.6471
CMYK	0.38, 0.00, 0.53, 0.25
HSL	103°, 44%, 55%
HSV	103°, 53%, 75%
XYZ	28.0840, 41.9217, 16.2844
YIQ	157.9580, -10.4910, -46.6750

# Conversions

## Conversions Part 2

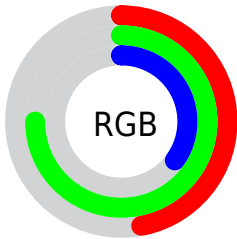
Format	Color
<b>RYB</b>	90, 191, 162
Decimal	7847770
CIELab	70.82, -41.19, 43.52
CIElCh	71, 59.921, 133.420
Yxy	41.9217, 0.3255, 0.4858
Android (android.graphics.Color)	4286037850 (0xFF77BF5A)
YUV	157.9580, -33.5033, -34.1662
Hunter-Lab	64.7470, -35.8828, 30.4110

# Details

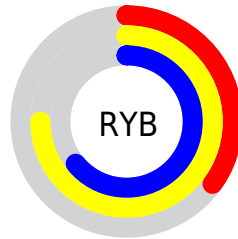
The YUV color **157.9580, -33.5033, -34.1662** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **123.0420, 33.5033, 34.1662**, and the grayscale version is **158.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **214.0890, -35.5399, -34.2811**, and **104.0010, -32.0455, -35.0809** is the 20% darker color. If you saturate the color by 10%, you get **151.6060, -39.7388, -40.8735**, and if you desaturate by 10%, it is **164.3100, -27.2678, -27.4589**.

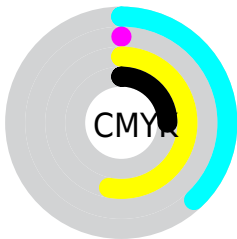
# Distribution



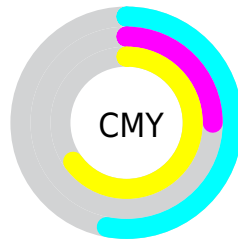
- Red (47%)
- Green (75%)
- Blue (35%)



- Red (35%)
- Yellow (75%)
- Blue (64%)



- Cyan (38%)
- Magenta (0%)
- Yellow (53%)
- Black (25%)



- Cyan (53%)
- Magenta (25%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 157.9580, -33.5033, -34.1662 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 157.9580, -33.5033, -34.1662 by changing the saturation by 10% instead.



■ 157.9580,  
-33.5033, -34.1662

■ 157.9580,  
-33.5033, -34.1662

255.0000, 0.0000,  
0.0000

■ 131.1860,  
-32.6297, -34.3661

■ 214.0890,  
-35.5399, -34.2811

■ 104.0010,  
-32.0455, -35.0809

■ 229.7620,  
-29.4627, -23.4703

■ 76.6480, -33.3505,  
-36.5253

■ 241.5110,  
-21.9439, -8.3411

■ 50.4820, -24.8876,  
-44.2727

■ 251.6940,  
-12.6671, 2.8994

■ 36.3940, -17.9422,  
-31.9175

■ 24.0670, -11.8650,  
-21.1068

■ 3.5220, -1.7363,

-3.0888

■ 0.0000, 0.0000,  
0.0000

■ 157.9580,  
-33.5033, -34.1662

■ 157.9580,  
-33.5033, -34.1662

■ 151.6060,  
-39.7388, -40.8735

■ 164.3100,  
-27.2678, -27.4589

■ 145.5530,  
-46.1216, -46.9660

■ 170.3630,  
-20.8850, -21.3664

■ 139.2010,  
-52.3571, -53.6733

■ 176.7150,  
-14.6495, -14.6591

■ 133.1480,  
-58.7400, -59.7658

■ 182.7680, -8.2666,  
-8.5665

■ 128.5620,  
-63.3811, -64.5139

■ 189.2340, -1.5944,  
-1.9592

■ 195.5860, 4.6411,  
4.7481

■ 201.6390, 11.0240,  
10.8406

■ 207.9910, 17.2594,  
17.5479

■ 213.5450, 20.4373,  
24.9550

# Harmonies

## Analogous

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



165.0320, -52.2738, 13.1269



157.9580, -33.5033, -34.1662



132.1860, 3.8523, -115.9271

# Triad

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



157.9580, -33.5033, -34.1662



139.4260, 56.9780, -122.2766



166.8340, -7.8062, 77.3216

# Complementary

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



157.9580, -33.5033, -34.1662



123.0420, 33.5033, 34.1662

# 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.



175.4520, 15.0602, 69.7636



157.9580, -33.5033, -34.1662



165.0280, 44.3562, -40.3666

# Square

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



157.9580, -33.5033, -34.1662



143.7970, 50.8791, -126.1100



178.4970, 36.7300, 25.8741



169.3520, -33.6975, 75.1133

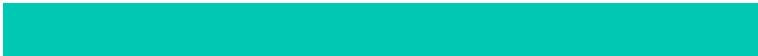


# Rectangle

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



157.9580, -33.5033, -34.1662



137.6920, 19.8718, -120.7559



178.4970, 36.7300, 25.8741



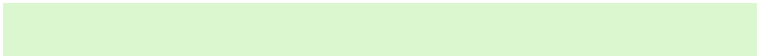
168.2990, 0.3456, 76.0368

# Sweetspot

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



157.9580, -33.5033, -34.1662



234.1820, -12.9077, -13.3146



161.8760, -35.4349, 25.5417



117.1810, -7.9772, -8.0517



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

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



157.9580, -33.5033, -34.1662



196.1410, -51.3415, -52.7437



151.5670, -20.4925, -53.9943



91.1800, -3.0467, -2.7889



106.2010, -52.3571, -53.6733



20.8880, -10.2978, -10.4258



# Inverse Universe

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



123.0420, 33.5033, 34.1662



142.8590, 51.3415, 52.7437



129.4330, 20.4925, 53.9943



88.1190, 2.8993, 3.4036



51.7990, 52.3571, 53.6733



10.1120, 10.2978, 10.4258



# Previews

## White Background



This preview shows how the YUV color 157.9580, -33.5033, -34.1662 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 157.9580, -33.5033, -34.1662 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

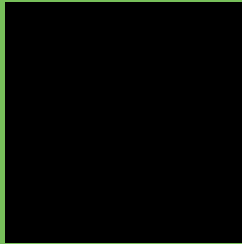
Any Text WCAG AA ✓ Pass

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 157.9580, -33.5033, -34.1662 Background



This preview shows how black text looks on a background with the YUV color 157.9580, -33.5033, -34.1662.



This preview shows how white text looks on a background with the YUV color 157.9580, -33.5033, -34.1662.

-34.1662.

# 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

157.9580, -33.5033, -34.1662

### Protanopia

168.2360, -41.5283, 19.9640

### Deuteranopia

170.1160, -36.0462, 34.9783



## Tritanopia

168.7390, 12.4537, -27.8351

# Trichromacy



## Original Color

157.9580, -33.5033, -34.1662

## Protanomaly

164.7990, -38.8479, 0.1763

## Deuteranomaly

165.7770, -35.3861, 9.8426

## Tritanomaly

164.6620, -4.2704, -30.3986

# Monochromacy



## Original Color

157.9580, -33.5033, -34.1662

## Achromatopsia

158.0000, 0.0000, 0.0000

## Achromatomaly

158.0080, -12.3289, -12.2850

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 157.9580, -33.5033, -34.1662 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(119, 191, 90)` looks like.

```
.text, #text, p{  
    color:rgb(119, 191, 90)  
}
```

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(119, 191, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 191, 90) }
```

## Border

The CSS property to change the border of an element to YUV 157.9580, -33.5033, -34.1662 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(119, 191, 90) }
```



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

```
.border{ border-color:rgb(119, 191, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 191, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 191, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 191, 90);  
box-shadow:4px 4px 4px 4px rgb(119, 191,  
90) }
```

# Background

The CSS property to change the background color of an element to YUV 157.9580, -33.5033, -34.1662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 191, 90) }
```

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

```
.background{ background-color: rgb(119,  
191, 90) }
```

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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