

# Converting Colors

YUV(133.8340, 38.5358,  
-40.1964)

Have a look what the booklet for  
YUV(133.8340, 38.5358, -40.1964)  
contains.

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# Color

**YUV(133.8340, 38.5358,  
-40.1964)**

# Conversions

## Conversions Part 1

Format	Color
Hex	588ED4
RGB	88, 142, 212
RGB Percent	35%, 56%, 83%
CMY	0.6549, 0.4431, 0.1686
CMYK	0.58, 0.33, 0.00, 0.17
HSL	214°, 59%, 59%
HSV	214°, 58%, 83%
XYZ	25.5812, 26.1742, 65.9912
YIQ	133.8340, -54.6540, 10.3220

# Conversions

## Conversions Part 2

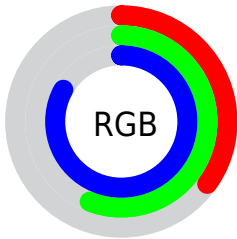
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	88, 126, 212
Decimal	5803732
CIE Lab	58.20, 2.99, -41.32
CIE LCh	58, 41.427, 274.134
Yxy	26.1742, 0.2173, 0.2223
Android (android.graphics.Color)	4283993812 (0xFF588ED4)
YUV	133.8340, 38.5358, -40.1964
Hunter-Lab	51.1607, -0.2784, -40.6645

# Details

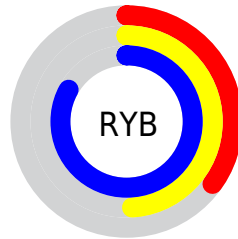
The YUV color  $133.8340, 38.5358, -40.1964$  is a dark color, and the websafe version is hex  $6699CC$ . The color can be described as middle muted azure. A complement of this color would be  $166.1660, -38.5358, 40.1964$ , and the grayscale version is  $134.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $187.1890, 33.4308, -36.1228$ , and  $75.1910, 40.3318, -56.2955$  is the 20% darker color. If you saturate the color by 10%, you get  $120.5110, 45.1041, -46.9291$ , and if you desaturate by 10%, it is  $147.1570, 31.9676, -33.4637$ .

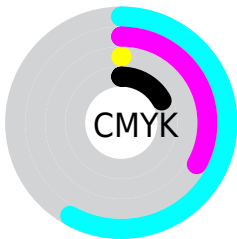
# Distribution



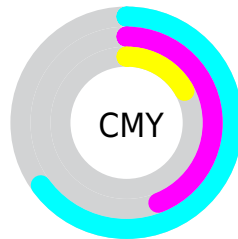
- Red (35%)
- Green (56%)
- Blue (83%)



- Red (35%)
- Yellow (49%)
- Blue (83%)



- Cyan (58%)
- Magenta (33%)
- Yellow (0%)
- Black (17%)



- Cyan (65%)
- Magenta (44%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 133.8340, 38.5358, -40.1964 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 133.8340, 38.5358, -40.1964 by changing the saturation by 10% instead.



■ 133.8340, 38.5358,  
-40.1964

■ 133.8340, 38.5358,  
-40.1964

255.0000, 0.0000,  
0.0000

■ 106.6980, 38.1099,  
-43.5851

■ 187.1890, 33.4308,  
-36.1228

■ 75.1910, 40.3318,  
-56.2955

■ 212.2960, 21.0531,  
-32.7086

■ 55.4370, 37.2526,  
-48.6182

■ 238.2890, 8.2385,  
-29.1945

■ 39.5590, 32.2624,  
-34.6932

■ 248.7210, 3.0955,  
-12.9103

■ 24.9690, 27.1303,  
-21.8978

■ 9.4330, 23.4505,  
-8.2727

■ 5.1640, 14.7091,

-4.5288

■ 1.0260, 3.9312,  
-0.8998

■ 0.0000, 0.0000,  
0.0000

■ 133.8340, 38.5358,  
-40.1964

■ 133.8340, 38.5358,  
-40.1964

■ 120.5110, 45.1041,  
-46.9291

■ 147.1570, 31.9676,  
-33.4637

■ 107.1880, 51.6723,  
-53.6619

■ 160.4800, 25.3994,  
-26.7310

■ 93.5660, 58.3880,  
-61.0094

■ 174.1020, 18.6837,  
-19.3835

■ 80.2430, 64.9562,  
-67.7421

■ 187.4250, 12.1155,  
-12.6507

■ 78.1720, 65.9772,  
-68.5568

■ 200.7480, 5.5472,  
-5.9180

■ 214.0710, -1.0210,  
0.8147

■ 227.3940, -7.5892,  
7.5475

■ 240.1190,  
-13.8627, 13.0506

■ 247.1630,  
-17.3354, 6.8730

# Harmonies

## Analogous

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



112.4800, 45.1194, -98.6450



133.8340, 38.5358, -40.1964



142.7860, 28.2065, 6.3267

# Triad

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



133.8340, 38.5358, -40.1964



140.6130, -19.5292, 57.3444



124.9990, -8.8735, -47.3571

# Complementary

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



133.8340, 38.5358, -40.1964



166.1660, -38.5358, 40.1964

# 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.



132.5230, -26.8798, -11.8597



133.8340, 38.5358, -40.1964



139.0120, -31.5579, 42.0855

# Square

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



133.8340, 38.5358, -40.1964



141.9670, -2.9417, 57.0339



136.5330, -35.2658, 17.9496



109.7490, 16.8857, -96.2499



# Rectangle

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



133.8340, 38.5358, -40.1964



143.9370, 19.2581, 29.8733



136.5330, -35.2658, 17.9496



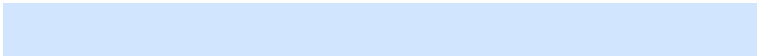
127.9530, -15.7528, -34.1618

# Sweetspot

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



133.8340, 38.5358, -40.1964



225.9840, 14.3049, -14.8950



168.5400, -6.1822, -70.6336



109.9370, 8.9051, -9.5917



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000

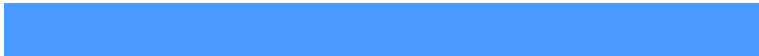


# Same Dimension

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



133.8340, 38.5358, -40.1964



142.4910, 55.4669, -57.4356



103.9300, 53.2785, -8.7086



100.1890, 3.3578, -3.6738



62.9320, 53.2775, -55.1914



16.0550, 13.2839, -14.0802



# Inverse Universe

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



131.2320, 5.3086, 70.8335



139.0000, 7.3950, 101.7320



196.0700, -53.2785, 8.7086



99.8590, 0.5625, 6.2627



59.5650, 7.1165, 97.7285

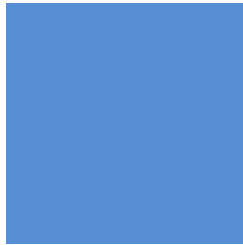


15.0230, 1.9607, 24.5358



# Previews

## White Background



This preview shows how the YUV color 133.8340, 38.5358, -40.1964 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 133.8340, 38.5358, -40.1964 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 133.8340, 38.5358, -40.1964 Background



This preview shows how black text looks on a background with the YUV color 133.8340, 38.5358, -40.1964.



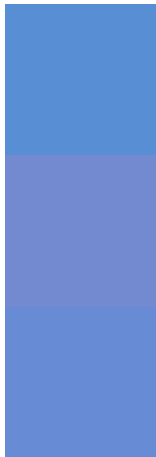
This preview shows how white text looks on a background with the YUV color 133.8340, 38.5358, -40.1964.



# 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

133.8340, 38.5358, -40.1964

### Protanopia

138.5160, 34.2556, -20.6235

### Deuteranopia

136.6720, 37.6297, -29.5303



## Tritanopia

128.2520, 17.6238, -52.8410

# Trichromacy



## Original Color

133.8340, 38.5358, -40.1964

## Protanomaly

136.8140, 35.5877, -27.9009

## Deuteranomaly

135.7640, 38.0773, -33.1190

## Tritanomaly

129.9350, 25.1750, -48.1780

# Monochromacy



## Original Color

133.8340, 38.5358, -40.1964

## Achromatopsia

134.0000, 0.0000, 0.0000

## Achromatomaly

133.8700, 13.8681, -14.7950

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 133.8340, 38.5358, -40.1964 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(88, 142, 212)` looks like.

```
.text, #text, p{  
    color:rgb(88, 142, 212)  
}
```

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(88, 142, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 142, 212) }
```

## Border

The CSS property to change the border of an element to YUV 133.8340, 38.5358, -40.1964 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(88, 142, 212) }
```



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

```
.border{ border-color:rgb(88, 142, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 142, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 142, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 142, 212);  
box-shadow:4px 4px 4px 4px rgb(88, 142,  
212) }
```

# Background

The CSS property to change the background color of an element to YUV 133.8340, 38.5358, -40.1964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 142, 212) }
```

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

```
.background{ background-color: rgb(88, 142,  
212) }
```

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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