

# Converting Colors

YUV(129.5400, 41.1458,  
-37.3076)

Have a look what the booklet for  
YUV(129.5400, 41.1458, -37.3076)  
contains.

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# Color

**YUV(129.5400, 41.1458,  
-37.3076)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5787D5
RGB	87, 135, 213
RGB Percent	34%, 53%, 84%
CMY	0.6588, 0.4706, 0.1647
CMYK	0.59, 0.37, 0.00, 0.16
HSL	217°, 60%, 59%
HSV	217°, 59%, 84%
XYZ	24.6047, 24.1583, 66.3170
YIQ	129.5400, -53.6460, 14.0820

# Conversions

## Conversions Part 2

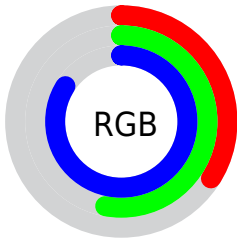
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	87, 122, 213
Decimal	5736405
CIE Lab	56.25, 7.26, -44.97
CIE LCh	56, 45.552, 279.167
Yxy	24.1583, 0.2138, 0.2099
Android (android.graphics.Color)	4283926485 (0xFF5787D5)
YUV	129.5400, 41.1458, -37.3076
Hunter-Lab	49.1511, 3.3415, -45.5912

# Details

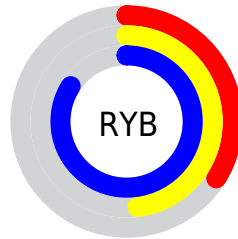
The YUV color  $129.5400, 41.1458, -37.3076$  is a dark color, and the websafe version is hex  $6699FF$ . The color can be described as middle muted azure. A complement of this color would be  $170.4600, -41.1458, 37.3076$ , and the grayscale version is  $129.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $183.0800, 35.4566, -32.5192$ , and  $70.2880, 43.2420, -56.3806$  is the 20% darker color. If you saturate the color by 10%, you get  $115.6300, 48.0034, -43.5255$ , and if you desaturate by 10%, it is  $143.4500, 34.2882, -31.0896$ .

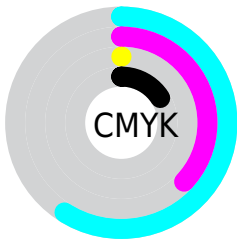
# Distribution



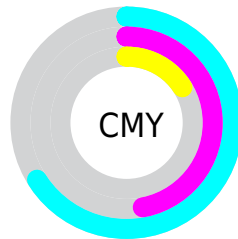
- Red (34%)
- Green (53%)
- Blue (84%)



- Red (34%)
- Yellow (48%)
- Blue (84%)



- Cyan (59%)
- Magenta (37%)
- Yellow (0%)
- Black (16%)



- Cyan (66%)
- Magenta (47%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 129.5400, 41.1458, -37.3076 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 129.5400, 41.1458, -37.3076 by changing the saturation by 10% instead.



■ 129.5400, 41.1458,  
-37.3076

■ 129.5400, 41.1458,  
-37.3076

255.0000, 0.0000,  
0.0000

■ 102.1050, 40.8672,  
-41.3111

■ 183.0800, 35.4566,  
-32.5192

■ 70.2880, 43.2420,  
-56.3806

■ 208.1870, 23.0788,  
-29.1050

■ 51.9150, 38.9889,  
-45.5295

■ 233.2940, 10.7011,  
-25.6908

■ 36.7380, 34.1462,  
-32.2192

■ 248.7210, 3.0955,  
-12.9103

■ 22.1480, 29.0140,  
-19.4238

■ 9.4330, 23.4505,  
-8.2727

■ 5.1640, 14.7091,

-4.5288

■ 1.1400, 4.3680,  
-0.9998

■ 0.0000, 0.0000,  
0.0000

■ 129.5400, 41.1458,  
-37.3076

■ 129.5400, 41.1458,  
-37.3076

■ 115.6300, 48.0034,  
-43.5255

■ 143.4500, 34.2882,  
-31.0896

■ 101.4210, 55.0084,  
-50.3582

■ 157.6590, 27.2831,  
-24.2569

■ 86.9240, 62.1555,  
-56.0613

■ 172.1560, 20.1361,  
-18.5538

■ 73.0140, 69.0131,  
-62.2793

■ 186.0660, 13.2785,  
-12.3359

■ 71.8290, 69.5973,  
-62.9940

■ 200.2750, 6.2734,  
-5.5032

■ 214.1850, -0.5842,  
0.7148

■ 228.0950, -7.4418,  
6.9327

■ 241.4070,  
-14.0047, 11.9211

■ 249.6250,  
-18.0561, 4.7139

# Harmonies

## Analogous

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



110.0010, 48.3135, -96.4709



129.5400, 41.1458, -37.3076



138.9440, 28.6216, 13.2041

# Triad

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



129.5400, 41.1458, -37.3076



134.0110, -23.1764, 60.5034



113.7410, -4.3093, -64.6709

# Complementary

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



129.5400, 41.1458, -37.3076



170.4600, -41.1458, 37.3076

# 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.



125.1800, -26.7107, -19.4519



129.5400, 41.1458, -37.3076



132.8610, -35.9205, 41.3409

# Square

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



129.5400, 41.1458, -37.3076



135.9140, -5.8736, 64.0964



130.1150, -38.0177, 13.9311



107.6290, 18.9169, -94.3906



# Rectangle

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



129.5400, 41.1458, -37.3076



138.4650, 18.5048, 38.1802



130.1150, -38.0177, 13.9311



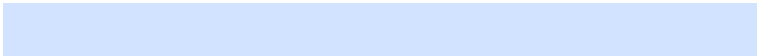
119.2720, -12.9521, -45.8425

# Sweetspot

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



129.5400, 41.1458, -37.3076



224.8100, 14.8837, -13.8654



169.8540, -2.3930, -72.6630



108.7630, 9.4838, -8.5622



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.



129.5400, 41.1458, -37.3076



135.1370, 59.0925, -53.6171



105.8490, 52.8254, -3.3756



99.6020, 3.6472, -3.1590



57.6490, 55.8820, -50.5582



14.8810, 13.8627, -13.0506



# Inverse Universe

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



130.1460, 2.3930, 72.6630



135.9850, 3.4584, 104.3762



194.1510, -52.8254, 3.3756



99.7450, 0.1257, 6.3626



58.5390, 3.1853, 98.6283

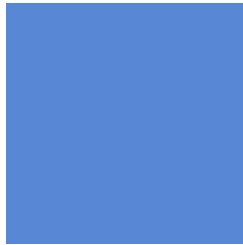


14.7950, 1.0871, 24.7358



# Previews

## White Background



This preview shows how the YUV color 129.5400, 41.1458, -37.3076 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

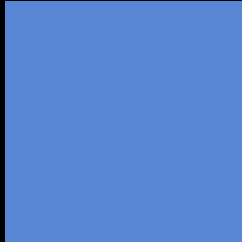
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 129.5400, 41.1458, -37.3076 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

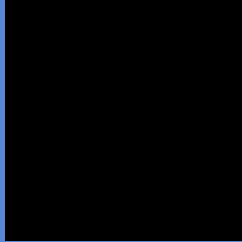
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 129.5400, 41.1458, -37.3076

## Background



This preview shows how black text looks on a background with the YUV color 129.5400, 41.1458, -37.3076.



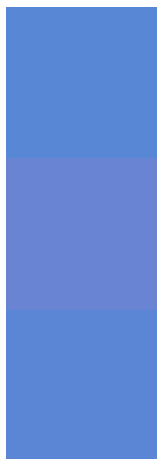
This preview shows how white text looks on a background with the YUV color 129.5400, 41.1458, -37.3076.



# 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

129.5400, 41.1458, -37.3076

### Protanopia

132.8190, 38.0502, -24.3973

### Deuteranopia

129.8500, 40.9930, -34.9484



## Tritanopia

122.5510, 17.4764, -52.2262

# Trichromacy



## Original Color

129.5400, 41.1458, -37.3076

## Protanomaly

131.4270, 39.2295, -29.3155

## Deuteranomaly

129.5510, 41.1404, -35.5632

## Tritanomaly

125.1740, 26.0432, -46.6336

# Monochromacy



## Original Color

129.5400, 41.1458, -37.3076

## Achromatopsia

130.0000, 0.0000, 0.0000

## Achromatomaly

129.8100, 14.8837, -13.8654

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 129.5400, 41.1458, -37.3076 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(87, 135, 213)` looks like.

```
.text, #text, p{  
    color:rgb(87, 135, 213)  
}
```

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(87, 135, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 135, 213) }
```

## Border

The CSS property to change the border of an element to YUV 129.5400, 41.1458, -37.3076 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".

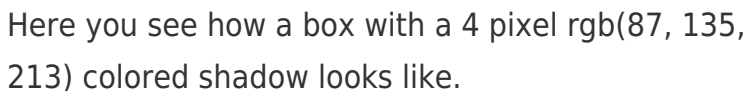
```
.border, #border, table{ border:4px solid rgb(87, 135, 213) }
```



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

```
.border{ border-color:rgb(87, 135, 213) }
```

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



Here you see how a box with a 4 pixel rgb(87, 135, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(87, 135, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(87, 135, 213); box-shadow:4px 4px 4px 4px rgb(87, 135, 213) }
```

# Background

The CSS property to change the background color of an element to YUV 129.5400, 41.1458, -37.3076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 135, 213) }
```

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

```
.background{ background-color: rgb(87, 135,  
213) }
```

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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