

# Converting Colors

YUV(85.7840, 58.2805, 20.3604)

Have a look what the booklet for  
YUV(85.7840, 58.2805, 20.3604)  
contains.

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# Color

**YUV(85.7840, 58.2805,  
20.3604)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6D33CC
RGB	109, 51, 204
RGB Percent	43%, 20%, 80%
CMY	0.5725, 0.8000, 0.2000
CMYK	0.47, 0.75, 0.00, 0.20
HSL	263°, 60%, 50%
HSV	263°, 75%, 80%
XYZ	18.3896, 9.9785, 58.0835
YIQ	85.7840, -14.5450, 59.8790

# Conversions

## Conversions Part 2

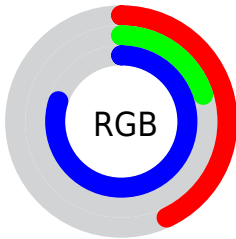
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	109, 51, 204
Decimal	7156684
CIE <sub>Lab</sub>	37.80, 57.28, -69.44
CIE <sub>LCh</sub>	38, 90.012, 309.517
Y <sub>xy</sub>	9.9785, 0.2127, 0.1154
Android (android.graphics.Color)	4285346764 (0xFF6D33CC)
Y <sub>UV</sub>	85.7840, 58.2805, 20.3604
Hunter-Lab	31.5888, 48.6345, -86.9068

# Details

The YUV color **85.7840, 58.2805, 20.3604** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **169.2160, -58.2805, -20.3604**, and the grayscale version is **85.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.7630, 56.8118, 24.7638**, and **30.3270, 58.0128, 12.8682** is the 20% darker color. If you saturate the color by 10%, you get **70.1570, 65.9846, 22.6643**, and if you desaturate by 10%, it is **101.4110, 50.5764, 18.0566**.

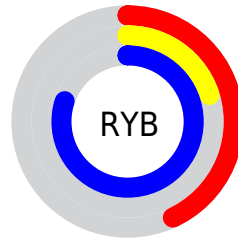
# Distribution



Red (43%)

Green (20%)

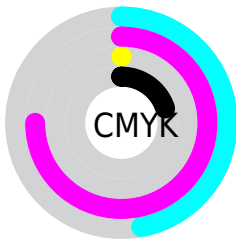
Blue (80%)



Red (43%)

Yellow (20%)

Blue (80%)

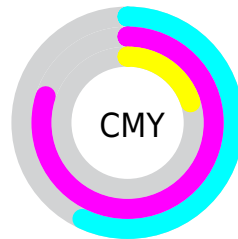


Cyan (47%)

Magenta (75%)

Yellow (0%)

Black (20%)



Cyan (57%)

Magenta (80%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 85.7840, 58.2805, 20.3604 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 85.7840, 58.2805, 20.3604 by changing the saturation by 10% instead.



■ 85.7840, 58.2805,  
20.3604

■ 85.7840, 58.2805,  
20.3604

■ 255.0000, 0.0000,  
0.0000

■ 57.1860, 58.5753,  
19.1309

■ 139.7630, 56.8118,  
24.7638

■ 30.3270, 58.0128,  
12.8682

■ 164.5820, 44.5761,  
29.3076

■ 13.9080, 53.2894,  
-12.1973

■ 189.4010, 32.3403,  
33.8513

■ 10.9440, 41.9326,  
-9.5979

■ 213.9100, 20.2574,  
36.0359

■ 11.0290, 29.5657,  
-9.6724

■ 230.3460, 12.1544,  
21.6216

■ 7.8200, 19.8087,  
-6.8581

■ 247.3690, 3.7621,

■ 3.5510, 11.0674,

6.6924

-3.1142

■ 0.0000, 0.0000,  
0.0000

■ 85.7840, 58.2805,  
20.3604

■ 85.7840, 58.2805,  
20.3604

■ 70.1570, 65.9846,  
22.6643

■ 101.4110, 50.5764,  
18.0566

■ 54.2420, 73.8307,  
26.0978

■ 117.3260, 42.7303,  
14.6231

■ 46.2790, 77.7565,  
26.9423

■ 132.9530, 35.0262,  
12.3192

■ 149.1670, 27.0327,  
9.5005

■ 164.4950, 19.4760,  
6.5819

■ 180.1220, 11.7719,  
4.2780

■ 196.3360, 3.7784,  
1.4593

■ 211.6640, -3.7784,  
-1.4593

■ 227.8780,  
-11.7719, -4.2780

# Harmonies

## Analogous

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



81.6090, 76.6078, -71.5711



85.7840, 58.2805, 20.3604



72.1010, 34.4602, 100.7664

# Triad

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



85.7840, 58.2805, 20.3604



82.4070, -40.6267, 57.5251



80.1590, 15.2046, -70.2994

# Complementary

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



85.7840, 58.2805, 20.3604



169.2160, -58.2805, -20.3604

# 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.



69.9790, -18.7236, -61.3716



85.7840, 58.2805, 20.3604



81.4900, -40.1746, 5.7093

# Square

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



85.7840, 58.2805, 20.3604



57.1090, -28.1547, 117.4224



62.8090, -30.9648, -55.0835



88.8400, 45.9279, -77.9127



# Rectangle

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



85.7840, 58.2805, 20.3604



72.0110, 10.8406, 116.6314



62.8090, -30.9648, -55.0835



77.3090, 4.2847, -67.8000

# Sweetspot

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



85.7840, 58.2805, 20.3604



209.6030, 22.3807, 8.2412



125.3810, 38.7592, -65.2321



99.9910, 13.8084, 4.3929



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.



85.7840, 58.2805, 20.3604



77.2330, 87.6391, 30.4907



108.2090, 47.2250, 66.4687



94.3360, 3.7784, 1.4593



37.7610, 63.2218, 22.1346



8.5180, 14.5346, 4.8077



# Inverse Universe

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



107.5770, 18.9425, 84.5630



110.0720, 28.5585, 127.1019



146.7910, -47.2250, -66.4687



95.6740, 1.1467, 5.5479



61.3760, 20.5206, 91.7552

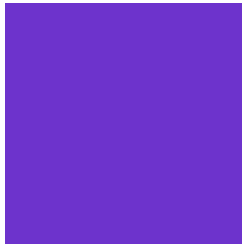


14.0980, 4.8817, 20.9621



# Previews

## White Background



This preview shows how the YUV color 85.7840, 58.2805, 20.3604 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

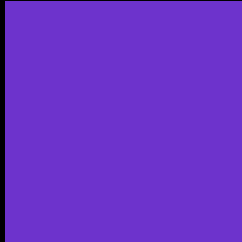
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 85.7840, 58.2805, 20.3604 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

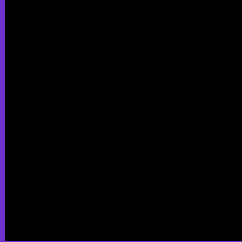
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 85.7840, 58.2805, 20.3604

## Background



This preview shows how black text looks on a background with the YUV color 85.7840, 58.2805, 20.3604.



This preview shows how white text looks on a background with the YUV color 85.7840, 58.2805,



# 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

85.7840, 58.2805, 20.3604

### Protanopia

71.1160, 54.1728, -62.3687

### Deuteranopia

71.2010, 41.8059, -62.4433



## Tritanopia

88.1070, 4.3842, -6.2328

# Trichromacy



## Original Color

85.7840, 58.2805, 20.3604

## Protanomaly

76.3570, 55.5330, -31.8851

## Deuteranomaly

76.2940, 47.6761, -31.8298

## Tritanomaly

87.3250, 23.9968, 3.2230

# Monochromacy



## Original Color

85.7840, 58.2805, 20.3604

## Achromatopsia

86.0000, 0.0000, 0.0000

## Achromatomaly

85.6630, 21.3651, 7.3115

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 85.7840, 58.2805, 20.3604 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(109, 51, 204)` looks like.

```
.text, #text, p{  
    color:rgb(109, 51, 204)  
}
```

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(109, 51, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 51, 204) }
```

## Border

The CSS property to change the border of an element to YUV 85.7840, 58.2805, 20.3604 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(109, 51, 204) }
```



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

```
.border{ border-color:rgb(109, 51, 204) }
```

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

Here you see how a box with a 4 pixel rgb(109, 51, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 51, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 51, 204);  
box-shadow:4px 4px 4px 4px rgb(109, 51,  
204) }
```

# Background

The CSS property to change the background color of an element to YUV 85.7840, 58.2805, 20.3604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 51, 204) }
```

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

```
.background{ background-color: rgb(109, 51,  
204) }
```

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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