

# Converting Colors

YUV(57.1720, 76.8232, 46.3302)

Have a look what the booklet for  
YUV(57.1720, 76.8232, 46.3302)  
contains.

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# Color

**YUV(57.1720, 76.8232,  
46.3302)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6E00D5
RGB	110, 0, 213
RGB Percent	43%, 0%, 84%
CMY	0.5686, 1.0000, 0.1647
CMYK	0.48, 1.00, 0.00, 0.16
HSL	271°, 100%, 42%
HSV	271°, 100%, 84%
XYZ	18.4406, 8.1191, 63.5460
YIQ	57.1720, -2.8130, 89.5630

# Conversions

## Conversions Part 2

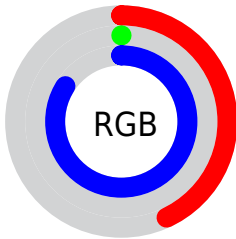
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	110, 0, 213
Decimal	7209173
CIE <sub>Lab</sub>	34.23, 72.95, -80.53
CIE <sub>LCh</sub>	34, 108.661, 312.171
Y <sub>xy</sub>	8.1191, 0.2047, 0.0901
Android (android.graphics.Color)	4285399253 (0xFF6E00D5)
YUV	57.1720, 76.8232, 46.3302
Hunter-Lab	28.4940, 65.6564, -112.2799

# Details

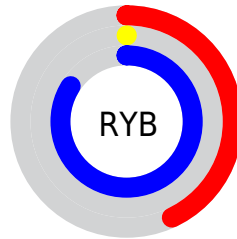
The YUV color **57.1720, 76.8232, 46.3302** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **155.8280, -76.8232, -46.3302**, and the grayscale version is **56.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **124.8110, 64.1832, 40.5078**, and **29.8580, 62.6810, 8.8945** is the 20% darker color. If you saturate the color by 10%, you get **57.1720, 76.8232, 46.3302**, and if you desaturate by 10%, it is **72.4890, 69.2719, 41.6671**.

# Distribution



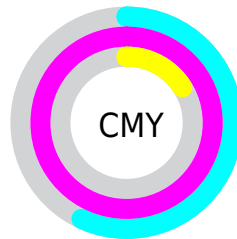
- Red (43%)
- Green (0%)
- Blue (84%)



- Red (43%)
- Yellow (0%)
- Blue (84%)



- Cyan (48%)
- Magenta (100%)
- Yellow (0%)
- Black (16%)



- Cyan (57%)
- Magenta (100%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 57.1720, 76.8232, 46.3302 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 57.1720, 76.8232, 46.3302 by changing the saturation by 10% instead.



■ 57.1720, 76.8232,  
46.3302

■ 57.1720, 76.8232,  
46.3302

■ 255.0000, 0.0000,  
0.0000

■ 44.4120, 69.3099,  
29.4567

■ 124.8110, 64.1832,  
40.5078

■ 29.8580, 62.6810,  
8.8945

■ 150.5160, 51.5106,  
45.1515

■ 14.8200, 56.7837,  
-12.9971

■ 176.2210, 38.8380,  
49.7952

■ 11.7420, 44.9902,  
-10.2977

■ 199.2350, 27.4921,  
48.9059

■ 12.4140, 32.3339,  
-10.8871

■ 216.2580, 19.0998,  
33.9767


■ 9.0910, 22.1401,  
-7.9728


■ 233.2810, 10.7075,


■ 4.8220, 13.3988,


19.0476


-4.2289


 250.8910, 2.0257,  
3.6036


 0.4560, 1.7472,  
-0.3999


 0.0000, 0.0000,  
0.0000

 57.1720, 76.8232,  
46.3302

 72.4890, 69.2719,  
41.6671

 88.6920, 61.2838,  
37.1041

 104.0090, 53.7326,  
32.4411

 119.3260, 46.1813,  
27.7781

■ 135.5290, 38.1932,  
23.2151

■ 150.8460, 30.6419,  
18.5521

■ 166.1630, 23.0906,  
13.8890

■ 181.4800, 15.5394,  
9.2260

■ 197.6830, 7.5513,  
4.6630

# Harmonies

## Analogous

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



78.9650, 86.7853, -69.2523



57.1720, 76.8232, 46.3302



74.7060, 30.2179, 108.1288

# Triad

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



57.1720, 76.8232, 46.3302



73.2590, -36.1167, 57.6549



76.5060, 18.9775, -67.0958

# Complementary

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



57.1720, 76.8232, 46.3302



155.8280, -76.8232, -46.3302

# 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.



63.6870, -22.5237, -55.8535



57.1720, 76.8232, 46.3302



71.9770, -35.4847, -5.2418

# Square

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



57.1720, 76.8232, 46.3302



57.1090, -28.1547, 117.4224



59.2870, -29.2285, -51.9947



87.2560, 55.0898, -76.5235



# Rectangle

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



57.1720, 76.8232, 46.3302



73.5900, 2.6671, 124.8936



59.2870, -29.2285, -51.9947



72.4990, 6.1630, -63.5816

# Sweetspot

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



57.1720, 76.8232, 46.3302



199.3250, 27.4478, 16.3780



87.0910, 62.0731, -76.3788



94.1210, 16.7023, 9.5409



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.



57.1720, 76.8232, 46.3302



68.5380, 91.9258, 55.6562



87.9690, 61.6403, 109.6522



99.0480, 3.9203, 2.5889



45.8060, 61.7206, 37.0041



11.4800, 15.5394, 9.2260



# Inverse Universe

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



75.4290, 13.5925, 120.6498



90.2670, 16.1374, 144.4708



125.0310, -61.6403, -109.6522



99.9730, 0.9993, 6.1627



60.5910, 11.0476, 96.8287



15.2510, 2.8343, 24.3359



# Previews

## White Background



This preview shows how the YUV color 57.1720, 76.8232, 46.3302 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

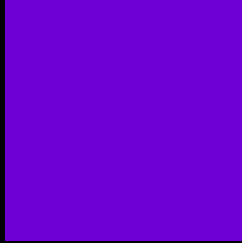
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 57.1720, 76.8232, 46.3302 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

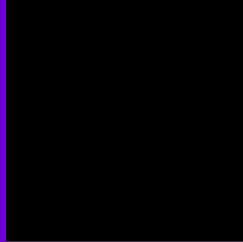
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 57.1720, 76.8232, 46.3302

## Background



This preview shows how black text looks on a background with the YUV color 57.1720, 76.8232, 46.3302.



This preview shows how white text looks on a background with the YUV color 57.1720, 76.8232,



# 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



### Protanopia

65.9980, 49.7940, -57.8802

### Deuteranopia

66.1970, 37.8639, -58.0548

### Tritanopia

82.0040, 3.9420, -4.3885

# Trichromacy



## Protanomaly

62.8730, 59.7156, -20.0596

## Deuteranomaly

62.8100, 51.8587, -20.0044

## Tritanomaly

73.1120, 30.5108, 13.9338

# Monochromacy



## Achromatopsia

57.0000, 0.0000, 0.0000

## Achromatomaly

56.8520, 28.1740, 16.7928

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 57.1720, 76.8232, 46.3302 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(110, 0, 213)` looks like.

```
.text, #text, p{  
    color:rgb(110, 0, 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(110, 0, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 0, 213) }
```

## Border

The CSS property to change the border of an element to YUV 57.1720, 76.8232, 46.3302 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(110, 0, 213) }
```

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

```
.border{ border-color:rgb(110, 0, 213) }
```

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

Here you see how a box with a 4 pixel rgb(110, 0, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 0, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 0, 213);  
box-shadow:4px 4px 4px 4px rgb(110, 0,  
213) }
```



# Background

The CSS property to change the background color of an element to YUV 57.1720, 76.8232, 46.3302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 0, 213) }
```

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

```
.background{ background-color: rgb(110, 0,  
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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