

# Converting Colors

YUV(67.9880, 45.3619, 10.5345)

Have a look what the booklet for  
YUV(67.9880, 45.3619, 10.5345)  
contains.

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# Color

**YUV(67.9880, 45.3619,  
10.5345)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	502CA0
RGB	80, 44, 160
RGB Percent	31%, 17%, 63%
CMY	0.6863, 0.8275, 0.3725
CMYK	0.50, 0.72, 0.00, 0.37
HSL	259°, 57%, 40%
HSV	259°, 72%, 63%
XYZ	10.5541, 6.0449, 33.8682
YIQ	67.9880, -15.7800, 43.7080

# Conversions

## Conversions Part 2

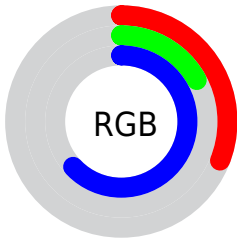
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	80, 44, 160
Decimal	5254304
CIE Lab	29.53, 44.09, -57.02
CIE LCh	30, 72.079, 307.716
Yxy	6.0449, 0.2091, 0.1198
Android (android.graphics.Color)	4283444384 (0xFF502CA0)
YUV	67.9880, 45.3619, 10.5345
Hunter-Lab	24.5864, 33.5979, -64.4627

# Details

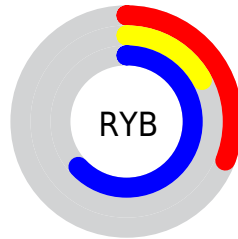
The YUV color  $67.9880, 45.3619, 10.5345$  is a dark color, and the websafe version is hex  $663399$ . A complement of this color would be  $136.0120, -45.3619, -10.5345$ , and the grayscale version is  $68.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $119.8790, 47.3877, 14.1381$ , and  $15.7860, 44.9685, -3.3203$  is the 20% darker color. If you saturate the color by 10%, you get  $55.3070, 51.6136, 12.0088$ , and if you desaturate by 10%, it is  $80.6690, 39.1102, 9.0603$ .

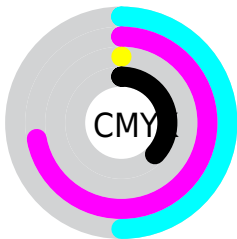
# Distribution



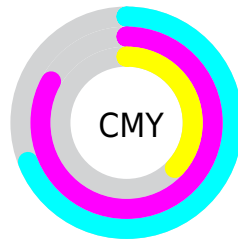
- Red (31%)
- Green (17%)
- Blue (63%)



- Red (31%)
- Yellow (17%)
- Blue (63%)



- Cyan (50%)
- Magenta (72%)
- Yellow (0%)
- Black (37%)



- Cyan (69%)
- Magenta (83%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 67.9880, 45.3619, 10.5345 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 67.9880, 45.3619, 10.5345 by changing the saturation by 10% instead.



67.9880, 45.3619,  
10.5345

67.9880, 45.3619,  
10.5345

255.0000, 0.0000,  
0.0000

41.5640, 45.0779,  
8.2754

119.8790, 47.3877,  
14.1381

15.7860, 44.9685,  
-3.3203

146.5310, 48.5452,  
16.1973

9.3480, 35.8174,  
-8.1982

171.8920, 40.9722,  
18.5117

9.5470, 23.8873,  
-8.3727

196.7110, 28.7365,  
23.0555

5.2780, 15.1459,  
-4.6288

221.2310, 16.6481,  
26.9844

1.2540, 4.8048,  
-1.0998

239.1510, 7.8136,

0.0000, 0.0000,

13.8996

0.0000

■ 67.9880, 45.3619,  
10.5345

■ 67.9880, 45.3619,  
10.5345

■ 55.3070, 51.6136,  
12.0088

■ 80.6690, 39.1102,  
9.0603

■ 42.6260, 57.8654,  
13.4830

■ 93.3500, 32.8585,  
7.5861

■ 33.1900, 62.5173,  
14.7424

■ 106.0310, 26.6067,  
6.1118

■ 118.7120, 20.3550,  
4.6376

■ 131.3930, 14.1033,  
3.1633

■ 144.0740, 7.8515,  
1.6891

■ 156.7550, 1.5998,  
0.2149

■ 169.4360, -4.6519,  
-1.2594

■ 182.1170,  
-10.9037, -2.7336

# Harmonies

## Analogous

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



64.3000, 58.5191, -56.3911



67.9880, 45.3619, 10.5345



55.6390, 28.2790, 76.6156

# Triad

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



67.9880, 45.3619, 10.5345



64.0450, -31.5742, 47.3185



62.2920, 10.2090, -54.6301

# Complementary

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



67.9880, 45.3619, 10.5345



136.0120, -45.3619, -10.5345

# 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.



54.1640, -15.8569, -47.5018



67.9880, 45.3619, 10.5345



64.0910, -31.5969, 7.8132

# Square

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



67.9880, 45.3619, 10.5345



44.8500, -22.1110, 92.2166



48.7210, -24.0195, -42.7283



69.1490, 33.9435, -60.6437



# Rectangle

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



67.9880, 45.3619, 10.5345



56.3190, 10.1957, 90.0512



48.7210, -24.0195, -42.7283



60.1260, 1.9099, -52.7305

# Sweetspot

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



67.9880, 45.3619, 10.5345



172.4300, 18.0290, 4.0079



104.7710, 27.2279, -53.2962



82.8830, 10.9037, 2.7336



232.0000, 0.0000, 0.0000



105.0000, 0.0000, 0.0000



# Same Dimension

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



67.9880, 45.3619, 10.5345



64.7910, 71.0950, 16.8463



85.0310, 36.9597, 45.5768



72.8090, 3.0522, 1.0445



29.4580, 55.9762, 12.7533



3.2050, 5.8149, 1.5742



# Inverse Universe

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



87.8040, 17.8446, 63.3159



95.7820, 28.2085, 99.2922



118.9690, -36.9597, -45.5768



74.0760, 1.4415, 4.3183



53.9290, 21.7270, 78.1153

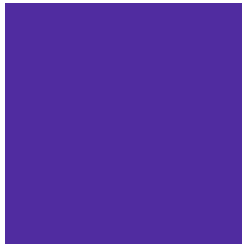


5.7390, 2.5937, 8.1219



# Previews

## White Background



This preview shows how the YUV color 67.9880, 45.3619, 10.5345 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 67.9880, 45.3619, 10.5345 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

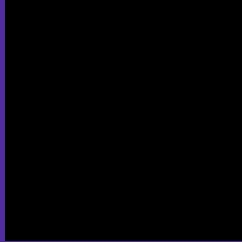
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 67.9880, 45.3619, 10.5345

## Background



This preview shows how black text looks on a background with the YUV color 67.9880, 45.3619, 10.5345.



This preview shows how white text looks on a background with the YUV color 67.9880, 45.3619,



# 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

67.9880, 45.3619, 10.5345

### Protanopia

55.5170, 42.6361, -48.6884

### Deuteranopia

56.2860, 32.8900, -49.3628



## Tritanopia

67.9000, 4.9793, -10.4363

# Trichromacy



## Original Color

67.9880, 45.3619, 10.5345

## Protanomaly

60.2900, 43.7340, -27.4413

## Deuteranomaly

60.5690, 37.1875, -27.6860

## Tritanomaly

68.1410, 19.6505, -2.7547

# Monochromacy



## Original Color

67.9880, 45.3619, 10.5345

## Achromatopsia

68.0000, 0.0000, 0.0000

## Achromatomaly

67.6750, 16.4292, 3.7930

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 67.9880, 45.3619, 10.5345 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(80, 44, 160)` looks like.

```
.text, #text, p{  
    color:rgb(80, 44, 160)  
}
```

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(80, 44, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 44, 160) }
```

## Border

The CSS property to change the border of an element to YUV 67.9880, 45.3619, 10.5345 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(80, 44, 160) }
```



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

```
.border{ border-color:rgb(80, 44, 160) }
```

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

Here you see how a box with a 4 pixel rgb(80, 44, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 44, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 44, 160);  
box-shadow:4px 4px 4px 4px rgb(80, 44,  
160) }
```

# Background

The CSS property to change the background color of an element to YUV 67.9880, 45.3619, 10.5345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 44, 160) }
```

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

```
.background{ background-color: rgb(80, 44,  
160) }
```

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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