

# Converting Colors

YUV(57.5500, 46.5639, 45.1217)

Have a look what the booklet for  
YUV(57.5500, 46.5639, 45.1217)  
contains.

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# Color

**YUV(57.5500, 46.5639,  
45.1217)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6D0D98
RGB	109, 13, 152
RGB Percent	43%, 5%, 60%
CMY	0.5725, 0.9490, 0.4039
CMYK	0.28, 0.91, 0.00, 0.40
HSL	281°, 84%, 32%
HSV	281°, 91%, 60%
XYZ	12.1181, 5.8061, 30.1877
YIQ	57.5500, 12.5970, 63.5810

# Conversions

## Conversions Part 2

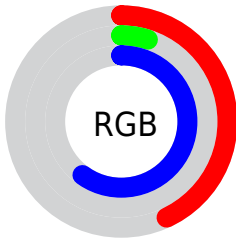
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	109, 13, 152
Decimal	7146904
CIE <sub>Lab</sub>	28.92, 58.04, -52.97
CIE <sub>LCh</sub>	29, 78.578, 317.617
Yxy	5.8061, 0.2519, 0.1207
Android (android.graphics.Color)	4285336984 (0xFF6D0D98)
YUV	57.5500, 46.5639, 45.1217
Hunter-Lab	24.0958, 47.6026, -57.4129

# Details

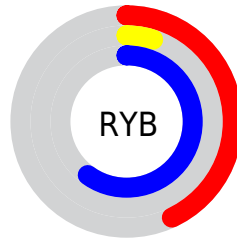
The YUV color **57.5500, 46.5639, 45.1217** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **107.4500, -46.5638, -45.1216**, and the grayscale version is **57.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **116.9580, 44.3907, 42.1328**, and **27.5460, 35.7198, 23.2002** is the 20% darker color. If you saturate the color by 10%, you get **48.7230, 50.9156, 49.3549**, and if you desaturate by 10%, it is **67.8500, 41.4860, 40.4736**.

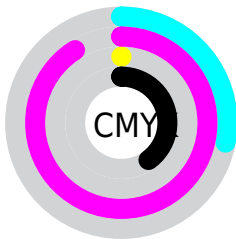
# Distribution



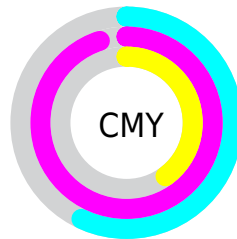
- Red (43%)
- Green (5%)
- Blue (60%)



- Red (43%)
- Yellow (5%)
- Blue (60%)



- Cyan (28%)
- Magenta (91%)
- Yellow (0%)
- Black (40%)



- Cyan (57%)
- Magenta (95%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 57.5500, 46.5639, 45.1217 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 57.5500, 46.5639, 45.1217 by changing the saturation by 10% instead.



■ 57.5500, 46.5639,  
45.1217

■ 57.5500, 46.5639,  
45.1217

■ 255.0000, 0.0000,  
0.0000

■ 38.4690, 42.6598,  
37.2997

■ 116.9580, 44.3907,  
42.1328

■ 27.5460, 35.7198,  
23.2002

■ 144.7840, 44.9695,  
43.1624

■ 17.2210, 28.4850,  
10.3302

■ 171.4700, 41.1803,  
45.1918

■ 5.8140, 22.2767,  
-5.0989

■ 196.2890, 28.9445,  
49.7355

■ 4.4800, 12.0884,  
-3.9290


■ 213.3230, 20.5468,  
36.5507

■ 0.0000, 0.0000,  
0.0000


■ 230.3460, 12.1544,


21.6216


 247.3690, 3.7621,  
6.6924


 57.5500, 46.5639,  
45.1217


 57.5500, 46.5639,  
45.1217


 48.7230, 50.9156,  
49.3549

 67.8500, 41.4860,  
40.4736

 77.8510, 36.5555,  
35.2107

 88.7380, 31.1882,  
30.0478

 99.0380, 26.1103,  
25.3997

 109.3380, 21.0324,  
20.7516

■ 119.3390, 16.1019,  
15.4887

■ 129.6390, 11.0240,  
10.8406

■ 140.5260, 5.6567,  
5.6777

■ 150.5270, 0.7262,  
0.4148

# Harmonies

## Analogous

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



59.5870, 63.3076, -52.2578



57.5500, 46.5639, 45.1217



58.1860, 18.6423, 87.5369

# Triad

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



57.5500, 46.5639, 45.1217



64.8540, -31.9730, 35.2080



64.6860, 19.3818, -56.7296

# Complementary

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



57.5500, 46.5639, 45.1217



107.4500, -46.5638, -45.1216

# 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.



56.2160, -7.9945, -49.3014



57.5500, 46.5639, 45.1217



59.5620, -29.3641, -8.3859

# Square

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



57.5500, 46.5639, 45.1217



43.0560, -21.2266, 88.5279



49.8950, -24.5982, -43.7579



70.9560, 43.4057, -62.2284



# Rectangle

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



57.5500, 46.5639, 45.1217



56.0180, -0.0089, 96.4542



49.8950, -24.5982, -43.7579



62.2920, 10.2090, -54.6301

# Sweetspot

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



57.5500, 46.5639, 45.1217



160.1050, 17.6962, 17.4479



54.6740, 47.9817, -36.5481



78.1120, 10.2978, 10.4258



227.0000, 0.0000, 0.0000



99.0000, 0.0000, 0.0000



# Same Dimension

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



57.5500, 46.5639, 45.1217



63.0080, 65.5651, 64.0140



67.5570, 29.3054, 74.0565



71.4070, 2.7573, 2.2741



44.9630, 46.8532, 45.6364



4.1730, 4.3517, 4.2333



# Inverse Universe

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



59.4630, -1.7073, 81.1549



65.5580, -2.2471, 114.3976



97.4430, -29.3054, -74.0565



71.6200, -0.3057, 4.7183



46.7620, -1.8547, 81.7697

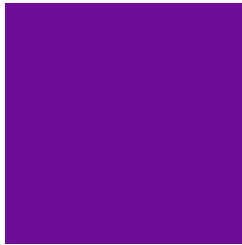


4.3430, -0.1691, 7.5922



# Previews

## White Background



This preview shows how the YUV color 57.5500, 46.5639, 45.1217 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 57.5500, 46.5639, 45.1217 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

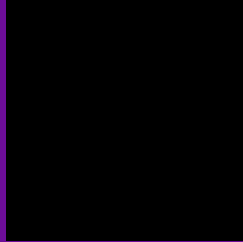
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 57.5500, 46.5639, 45.1217

## Background



This preview shows how black text looks on a background with the YUV color 57.5500, 46.5639, 45.1217.



This preview shows how white text looks on a background with the YUV color 57.5500, 46.5639,



# 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

57.5500, 46.5639, 45.1217

### Protanopia

56.2180, 42.7835, -49.3032

### Deuteranopia

56.4000, 33.3268, -49.4628



## Tritanopia

71.0350, -2.9753, 21.0173

# Trichromacy



## Original Color

57.5500, 46.5639, 45.1217

## Protanomaly

56.7800, 43.9855, -14.7161

## Deuteranomaly

57.1730, 37.8757, -15.0607

## Tritanomaly

66.1990, 15.1849, 29.6435

# Monochromacy



## Original Color

57.5500, 46.5639, 45.1217

## Achromatopsia

58.0000, 0.0000, 0.0000

## Achromatomaly

58.1650, 16.6807, 16.5183

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 57.5500, 46.5639, 45.1217 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, 13, 152)` looks like.

```
.text, #text, p{  
    color:rgb(109, 13, 152)  
}
```

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, 13, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 13, 152) }
```

## Border

The CSS property to change the border of an element to YUV 57.5500, 46.5639, 45.1217 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, 13, 152) }
```



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

```
.border{ border-color:rgb(109, 13, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 13, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 13, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 13, 152);  
box-shadow:4px 4px 4px 4px rgb(109, 13,  
152) }
```

# Background

The CSS property to change the background color of an element to YUV 57.5500, 46.5639, 45.1217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 13, 152) }
```

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

```
.background{ background-color: rgb(109, 13,  
152) }
```

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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