

# Converting Colors

YUV(45.5480, 52.9738, 42.4924)

Have a look what the booklet for  
YUV(45.5480, 52.9738, 42.4924)  
contains.

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# Color

**YUV(45.5480, 52.9738,  
42.4924)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5E0099
RGB	94, 0, 153
RGB Percent	37%, 0%, 60%
CMY	0.6314, 1.0000, 0.4000
CMYK	0.39, 1.00, 0.00, 0.40
HSL	277°, 100%, 30%
HSV	277°, 100%, 60%
XYZ	10.3659, 4.6796, 30.4939
YIQ	45.5480, 6.9110, 67.5110

# Conversions

## Conversions Part 2

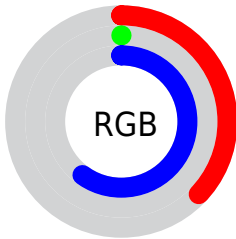
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	94, 0, 153
Decimal	6160537
CIE <sub>Lab</sub>	25.80, 58.71, -58.78
CIE <sub>LCh</sub>	26, 83.076, 314.964
Yxy	4.6796, 0.2276, 0.1028
Android (android.graphics.Color)	4284350617 (0xFF5E0099)
YUV	45.5480, 52.9738, 42.4924
Hunter-Lab	21.6324, 47.6775, -68.4351

# Details

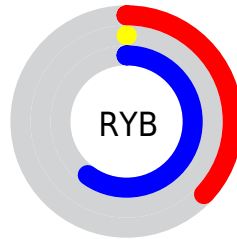
The YUV color **45.5480, 52.9738, 42.4924** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **107.4520, -52.9738, -42.4924**, and the grayscale version is **45.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **108.1900, 49.2063, 37.5444**, and **21.9790, 38.9574, 11.4194** is the 20% darker color. If you saturate the color by 10%, you get **45.5480, 52.9738, 42.4924**, and if you desaturate by 10%, it is **56.1470, 47.7485, 38.4591**.

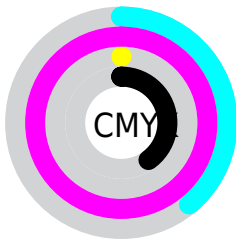
# Distribution



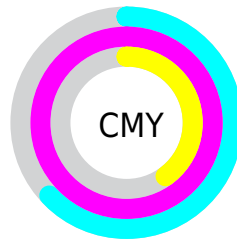
- Red (37%)
- Green (0%)
- Blue (60%)



- Red (37%)
- Yellow (0%)
- Blue (60%)



- Cyan (39%)
- Magenta (100%)
- Yellow (0%)
- Black (40%)



- Cyan (63%)
- Magenta (100%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 45.5480, 52.9738, 42.4924 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 45.5480, 52.9738, 42.4924 by changing the saturation by 10% instead.



45.5480, 52.9738,  
42.4924

45.5480, 52.9738,  
42.4924

255.0000, 0.0000,  
0.0000

34.0980, 45.3077,  
27.9781

108.1900, 49.2063,  
37.5444

21.9790, 38.9574,  
11.4194

135.7170, 49.9325,  
37.9592

8.6640, 33.1966,  
-7.5983

162.2890, 45.7065,  
40.0885

8.2760, 21.5559,  
-7.2581

187.1080, 33.4708,  
44.6323

4.5940, 12.5252,  
-4.0289


208.6270, 22.8619,  
40.6691


0.0000, 0.0000,  
0.0000


225.0630, 14.7589,


26.2547


 242.0860, 6.3666,  
11.3256


 45.5480, 52.9738,  
42.4924

 56.1470, 47.7485,  
38.4591

 67.3330, 42.2338,  
33.9110

 77.9320, 37.0085,  
29.8776

 88.5310, 31.7832,  
25.8443

 99.4180, 26.4159,  
20.6814

■ 110.0170, 21.1906,  
16.6481

■ 120.6160, 15.9653,  
12.6148

■ 131.2150, 10.7400,  
8.5814

■ 142.4010, 5.2253,  
4.0333

# Harmonies

## Analogous

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



57.2390, 64.4652, -50.1986



45.5480, 52.9738, 42.4924



56.0930, 19.6742, 83.2334

# Triad

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



45.5480, 52.9738, 42.4924



57.2010, -28.2001, 38.4117



58.7360, 16.8922, -51.5115

# Complementary

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



45.5480, 52.9738, 42.4924



107.4520, -52.9738, -42.4924

# 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.



49.6960, -12.6681, -43.5834



45.5480, 52.9738, 42.4924



53.3710, -26.3119, -7.3414

# Square

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



45.5480, 52.9738, 42.4924



41.8600, -20.6370, 86.0688



45.1990, -22.2831, -39.6395



66.0490, 42.3738, -57.9250



# Rectangle

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



45.5480, 52.9738, 42.4924



54.2950, -0.1454, 93.5803



45.1990, -22.2831, -39.6395



56.2280, 7.2826, -49.3120

# Sweetspot

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



45.5480, 52.9738, 42.4924



156.9030, 20.7538, 16.7481



53.2490, 49.1772, -46.6994



74.5680, 12.0450, 10.0259



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.



45.5480, 52.9738, 42.4924



59.1640, 68.9391, 55.1072



61.4790, 37.7249, 80.2639



71.4070, 2.7573, 2.2741



41.6740, 48.4747, 38.8739



3.8740, 4.4991, 3.6185



# Inverse Universe

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



52.4730, 3.2178, 88.1622



68.2790, 4.2995, 114.6423



91.5210, -37.7249, -80.2639



71.7340, 0.1311, 4.6183



48.0160, 2.9501, 80.6700

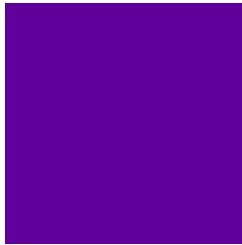


4.4570, 0.2677, 7.4922



# Previews

## White Background



This preview shows how the YUV color 45.5480, 52.9738, 42.4924 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 45.5480, 52.9738, 42.4924 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 45.5480, 52.9738, 42.4924

## Background



This preview shows how black text looks on a background with the YUV color 45.5480, 52.9738, 42.4924.



This preview shows how white text looks on a background with the YUV color 45.5480, 52.9738,



# 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

51.2140, 38.8415, -44.9147

### Deuteranopia

51.5100, 29.8216, -45.1743

### Tritanopia

65.2400, -0.6113, 9.4365

# Trichromacy



## Protanomaly

48.7910, 43.9800, -12.9717

## Deuteranomaly

49.2980, 38.3071, -13.4163

## Tritanomaly

58.0670, 18.7010, 21.8662

# Monochromacy



## Achromatopsia

46.0000, 0.0000, 0.0000

## Achromatomaly

45.5500, 19.4489, 15.3037

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 45.5480, 52.9738, 42.4924 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(94, 0, 153)` looks like.

```
.text, #text, p{  
    color:rgb(94, 0, 153)  
}
```

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(94, 0, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 0, 153) }
```

## Border

The CSS property to change the border of an element to YUV 45.5480, 52.9738, 42.4924 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(94, 0, 153) }
```

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

```
.border{ border-color:rgb(94, 0, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 0, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 0, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 0, 153);  
box-shadow:4px 4px 4px 4px rgb(94, 0, 153)  
}
```



# Background

The CSS property to change the background color of an element to YUV 45.5480, 52.9738, 42.4924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 0, 153) }
```

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

```
.background{ background-color: rgb(94, 0,  
153) }
```

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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