

# Converting Colors

YUV(41.9000, 38.9963, 45.6917)

Have a look what the booklet for  
YUV(41.9000, 38.9963, 45.6917)  
contains.

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# Color

**YUV(41.9000, 38.9963,  
45.6917)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5E0079
RGB	94, 0, 121
RGB Percent	37%, 0%, 47%
CMY	0.6314, 1.0000, 0.5255
CMYK	0.22, 1.00, 0.00, 0.53
HSL	287°, 100%, 24%
HSV	287°, 100%, 47%
XYZ	8.0673, 3.7602, 18.3897
YIQ	41.9000, 17.1830, 57.5590

# Conversions

## Conversions Part 2

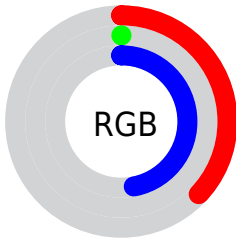
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	94, 0, 121
Decimal	6160505
CIE <sub>Lab</sub>	22.86, 52.23, -43.55
CIE <sub>LCh</sub>	23, 68.000, 320.177
Yxy	3.7602, 0.2670, 0.1244
Android (android.graphics.Color)	4284350585 (0xFF5E0079)
YUV	41.9000, 38.9963, 45.6917
Hunter-Lab	19.3911, 40.3268, -42.6544

# Details

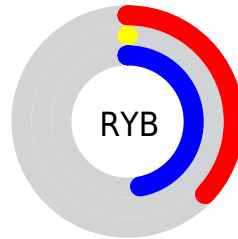
The YUV color **41.9000, 38.9963, 45.6917** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **79.1000, -38.9963, -45.6917**, and the grayscale version is **42.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **101.6560, 35.6656, 40.6437**, and **20.9510, 24.6742, 19.3370** is the 20% darker color. If you saturate the color by 10%, you get **41.9000, 38.9963, 45.6917**, and if you desaturate by 10%, it is **49.8410, 35.0814, 41.3584**.

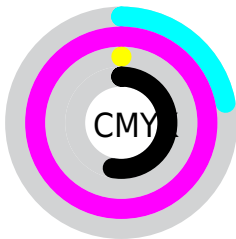
# Distribution



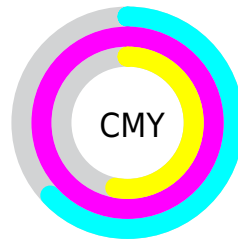
- Red (37%)
- Green (0%)
- Blue (47%)



- Red (37%)
- Yellow (0%)
- Blue (47%)



- Cyan (22%)
- Magenta (100%)
- Yellow (0%)
- Black (53%)



- Cyan (63%)
- Magenta (100%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 41.9000, 38.9963, 45.6917 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 41.9000, 38.9963, 45.6917 by changing the saturation by 10% instead.



41.9000, 38.9963,  
45.6917

41.9000, 38.9963,  
45.6917

255.0000, 0.0000,  
0.0000

31.2760, 31.9089,  
32.2069

101.6560, 35.6656,  
40.6437

20.9510, 24.6742,  
19.3370

128.4820, 36.2444,  
41.6733

8.4620, 19.4922,  
1.3488

156.1940, 36.3864,  
42.8029

3.5510, 11.0674,  
-3.1142

183.5640, 35.2179,  
44.2324

0.0000, 0.0000,  
0.0000

206.2790, 24.0195,  
42.7283

222.7150, 15.9165,

28.3139

■ 239.1510, 7.8136,  
13.8996

■ 41.9000, 38.9963,  
45.6917

■ 49.8410, 35.0814,  
41.3584

■ 57.4830, 31.3139,  
36.4104

■ 65.4240, 27.3990,  
32.0772

■ 73.3650, 23.4841,  
27.7439

■ 81.0070, 19.7165,  
22.7959

■ 89.5350, 15.5122,  
17.9478

■ 97.4760, 11.5973,  
13.6145

■ 105.4170, 7.6824,  
9.2813

■ 113.0590, 3.9149,  
4.3333

# Harmonies

## Analogous

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



46.7920, 52.3605, -41.0366



41.9000, 38.9963, 45.6917



47.6050, 13.0127, 73.1374

# Triad

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



41.9000, 38.9963, 45.6917



52.1070, -25.6888, 26.2162



52.9970, 17.7495, -46.4784

# Complementary

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



41.9000, 38.9963, 45.6917



79.1000, -38.9963, -45.6917

# 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.



46.3680, -5.1114, -40.6647



41.9000, 38.9963, 45.6917



46.5600, -22.9541, -11.0151

# Square

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



41.9000, 38.9963, 45.6917



37.0320, -18.2568, 69.2549



40.5030, -19.9680, -35.5211



58.1270, 37.4054, -50.9774



# Rectangle

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



41.9000, 38.9963, 45.6917



45.6370, -2.2860, 80.1254



40.5030, -19.9680, -35.5211



50.9450, 9.8871, -44.6788

# Sweetspot

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



41.9000, 38.9963, 45.6917



127.4210, 15.0754, 18.0478



30.2300, 44.7496, -26.5117



60.7700, 8.9874, 10.7257



207.0000, 0.0000, 0.0000



79.0000, 0.0000, 0.0000



# Same Dimension

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



41.9000, 38.9963, 45.6917



54.7890, 50.8830, 59.8210



46.3250, 21.0388, 65.4900



57.1790, 1.8838, 2.4740



43.2530, 40.3013, 47.1361



87.3320, 81.1813, 95.3018



# Inverse Universe

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



39.2570, -6.0427, 71.6886



51.2320, -8.0024, 93.6355



74.6750, -21.0388, -65.4900



56.9080, -0.4476, 3.5887



40.5670, -6.1955, 74.0477



81.7320, -12.6859, 149.3250



# Previews

## White Background



This preview shows how the YUV color 41.9000, 38.9963, 45.6917 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



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

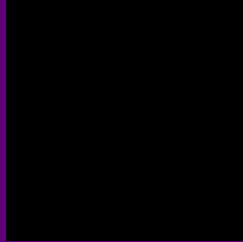
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 41.9000, 38.9963, 45.6917

## Background



This preview shows how black text looks on a background with the YUV color 41.9000, 38.9963, 45.6917.



This preview shows how white text looks on a background with the YUV color 41.9000, 38.9963,



# 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

46.3240, 35.3363, -40.6261

### Deuteranopia

46.3750, 27.9161, -40.6709

### Tritanopia

58.5190, -3.7069, 22.3468

# Trichromacy



## Protanomaly

44.8640, 36.5490, -9.5277

## Deuteranomaly

45.0120, 32.0391, -9.6575

## Tritanomaly

52.5860, 11.5431, 31.0581

# Monochromacy



## Achromatopsia

42.0000, 0.0000, 0.0000

## Achromatomaly

42.1820, 14.2073, 16.5034

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 41.9000, 38.9963, 45.6917 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, 121)` looks like.

```
.text, #text, p{  
    color:rgb(94, 0, 121)  
}
```

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, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 0, 121) }
```

## Border

The CSS property to change the border of an element to YUV 41.9000, 38.9963, 45.6917 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, 121) }
```

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

```
.border{ border-color:rgb(94, 0, 121) }
```

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, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 0, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 0, 121);  
box-shadow:4px 4px 4px 4px rgb(94, 0, 121)  
}
```



# Background

The CSS property to change the background color of an element to YUV 41.9000, 38.9963, 45.6917 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, 121) }
```

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

```
.background{ background-color: rgb(94, 0,  
121) }
```

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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