

# Converting Colors

YUV(48.3960, 53.5418, 47.0107)

Have a look what the booklet for  
YUV(48.3960, 53.5418, 47.0107)  
contains.

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# Color

**YUV(48.3960, 53.5418,  
47.0107)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	66009D
RGB	102, 0, 157
RGB Percent	40%, 0%, 62%
CMY	0.6000, 1.0000, 0.3843
CMYK	0.35, 1.00, 0.00, 0.38
HSL	279°, 100%, 31%
HSV	279°, 100%, 62%
XYZ	11.5653, 5.2591, 32.3038
YIQ	48.3960, 10.3950, 70.4510

# Conversions

## Conversions Part 2

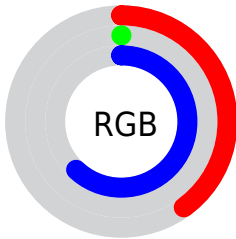
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 0, 157
Decimal	6684829
CIELab	27.46, 60.44, -58.46
CIElCh	27, 84.084, 315.953
Yxy	5.2591, 0.2354, 0.1070
Android (android.graphics.Color)	4284874909 (0xFF66009D)
YUV	48.3960, 53.5418, 47.0107
Hunter-Lab	22.9327, 49.8877, -67.4650

# Details

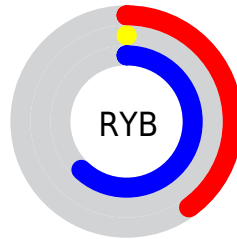
The YUV color **48.3960, 53.5418, 47.0107** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **108.6040, -53.5418, -47.0107**, and the grayscale version is **48.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **112.3260, 49.6323, 40.9331**, and **25.0120, 38.9411, 16.6525** is the 20% darker color. If you saturate the color by 10%, you get **48.3960, 53.5418, 47.0107**, and if you desaturate by 10%, it is **59.2830, 48.1745, 41.8478**.

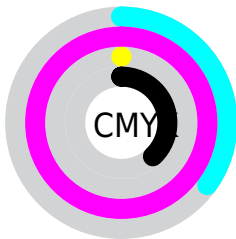
# Distribution



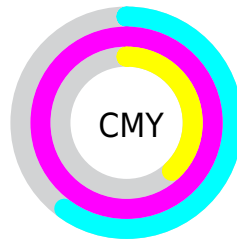
- Red (40%)
- Green (0%)
- Blue (62%)



- Red (40%)
- Yellow (0%)
- Blue (62%)



- Cyan (35%)
- Magenta (100%)
- Yellow (0%)
- Black (38%)




- Cyan (60%)
- Magenta (100%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 48.3960, 53.5418, 47.0107 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 48.3960, 53.5418, 47.0107 by changing the saturation by 10% instead.





 48.3960, 53.5418,  
47.0107


 48.3960, 53.5418,  
47.0107


255.0000, 0.0000,  
0.0000


 36.9460, 45.8756,  
32.4964


 112.3260, 49.6323,  
40.9331


 25.0120, 38.9411,  
16.6525


 140.0380, 49.7743,  
42.0627


 12.8930, 32.5908,  
0.0938


 166.1540, 43.8011,  
44.5919

 6.2700, 24.0239,  
-5.4988

 191.5600, 31.2759,  
48.6209

 4.9360, 13.8356,  
-4.3289

 210.3880, 21.9937,  
39.1247

 0.6840, 2.6208,  
-0.5999

 226.8240, 13.8908,

 0.0000, 0.0000,

24.7104

0.0000

■ 243.8470, 5.4984,  
9.7812

■ 48.3960, 53.5418,  
47.0107

■ 59.2830, 48.1745,  
41.8478

■ 69.8820, 42.9492,  
37.8145

■ 80.7690, 37.5819,  
32.6516

■ 91.9550, 32.0672,  
28.1035

■ 102.8420, 26.6999,  
22.9406

■ 113.4410, 21.4746,  
18.9072

■ 124.3280, 16.1073,  
13.7443

■ 135.5140, 10.5926,  
9.1962

■ 146.1130, 5.3673,  
5.1629

# Harmonies

## Analogous

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



59.6840, 66.2178, -52.3429



48.3960, 53.5418, 47.0107



58.1150, 19.6633, 86.7221

# Triad

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



48.3960, 53.5418, 47.0107



61.3320, -30.2367, 38.2968



62.3550, 18.0660, -54.6853

# Complementary

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



48.3960, 53.5418, 47.0107



108.6040, -53.5418, -47.0107

# 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.



53.3150, -11.4943, -46.7573



48.3960, 53.5418, 47.0107



56.9040, -28.0537, -8.6858

# Square

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



48.3960, 53.5418, 47.0107



43.3550, -21.3740, 89.1427



48.1340, -23.7301, -42.2135



69.7820, 43.9845, -61.1988



# Rectangle

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



48.3960, 53.5418, 47.0107



56.6160, -0.3037, 97.6838



48.1340, -23.7301, -42.2135



59.2600, 8.7458, -51.9710

# Sweetspot

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



48.3960, 53.5418, 47.0107



161.9140, 20.7484, 18.4924



51.9440, 51.7926, -45.5549



76.3940, 12.6238, 11.0555



230.0000, 0.0000, 0.0000



102.0000, 0.0000, 0.0000



# Same Dimension

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



48.3960, 53.5418, 47.0107



63.0230, 69.5017, 61.3698



62.4470, 36.2616, 82.9230



73.4070, 2.7573, 2.2741



44.1090, 48.7533, 42.8774



4.7000, 5.0779, 4.6481



# Inverse Universe

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



53.2130, 0.8810, 91.0212



69.0900, 0.9416, 118.3161



94.5530, -36.2616, -82.9230



73.7340, 0.1311, 4.6183



48.4570, 0.7607, 82.9142



5.0550, -0.0271, 8.7218



# Previews

## White Background



This preview shows how the YUV color 48.3960, 53.5418, 47.0107 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 48.3960, 53.5418, 47.0107 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

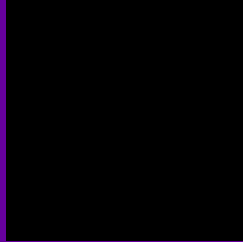
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 48.3960, 53.5418, 47.0107

## Background



This preview shows how black text looks on a background with the YUV color 48.3960, 53.5418, 47.0107.



This preview shows how white text looks on a background with the YUV color 48.3960, 53.5418,



# 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

54.4740, 41.1783, -47.7737

### Deuteranopia

54.6560, 31.7216, -47.9333

### Tritanopia

68.7460, -1.3538, 14.2548

# Trichromacy



## Protanomaly

52.2470, 45.7272, -13.3716

## Deuteranomaly

52.6400, 39.6175, -13.7163

## Tritanomaly

61.3880, 18.5427, 25.9697

# Monochromacy



## Achromatopsia

48.0000, 0.0000, 0.0000

## Achromatomaly

48.5610, 19.4434, 17.0480

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 48.3960, 53.5418, 47.0107 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(102, 0, 157)` looks like.

```
.text, #text, p{  
    color:rgb(102, 0, 157)  
}
```

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(102, 0, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 0, 157) }
```

## Border

The CSS property to change the border of an element to YUV 48.3960, 53.5418, 47.0107 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(102, 0, 157) }
```

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

```
.border{ border-color:rgb(102, 0, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 0, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 0, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 0, 157);  
box-shadow:4px 4px 4px 4px rgb(102, 0,  
157) }
```



# Background

The CSS property to change the background color of an element to YUV 48.3960, 53.5418, 47.0107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 0, 157) }
```

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

```
.background{ background-color: rgb(102, 0,  
157) }
```

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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