

# Converting Colors

YUV(47.1160, 44.8058, 49.0103)

Have a look what the booklet for  
YUV(47.1160, 44.8058, 49.0103)  
contains.

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# Color

**YUV(47.1160, 44.8058,  
49.0103)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	67018A
RGB	103, 1, 138
RGB Percent	40%, 0%, 54%
CMY	0.5961, 0.9961, 0.4588
CMYK	0.25, 0.99, 0.00, 0.46
HSL	285°, 99%, 27%
HSV	285°, 99%, 54%
XYZ	10.1918, 4.7403, 24.4225
YIQ	47.1160, 16.8150, 64.2310

# Conversions

## Conversions Part 2

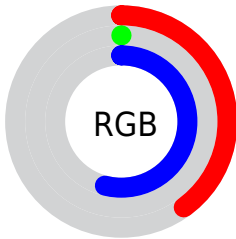
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	103, 1, 138
Decimal	6750602
CIE <sub>Lab</sub>	25.98, 56.59, -49.14
CIE <sub>LCh</sub>	26, 74.943, 319.032
Yxy	4.7403, 0.2590, 0.1204
Android (android.graphics.Color)	4284940682 (0xFF67018A)
YUV	47.1160, 44.8058, 49.0103
Hunter-Lab	21.7721, 45.4570, -51.2672

# Details

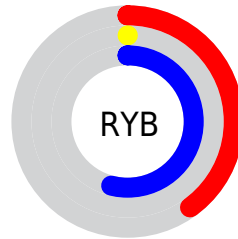
The YUV color **47.1160, 44.8058, 49.0103** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **91.8840, -44.8058, -49.0103**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **109.0460, 40.8963, 42.9327**, and **24.5690, 30.7785, 21.4260** is the 20% darker color. If you saturate the color by 10%, you get **46.5290, 45.0952, 49.5251**, and if you desaturate by 10%, it is **56.5300, 40.1647, 44.2622**.

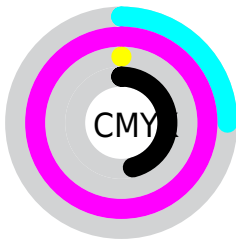
# Distribution



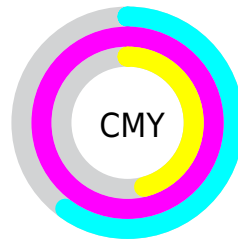
- Red (40%)
- Green (0%)
- Blue (54%)



- Red (40%)
- Yellow (0%)
- Blue (54%)



- Cyan (25%)
- Magenta (99%)
- Yellow (0%)
- Black (46%)



- Cyan (60%)
- Magenta (100%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 47.1160, 44.8058, 49.0103 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 47.1160, 44.8058, 49.0103 by changing the saturation by 10% instead.



47.1160, 44.8058,  
49.0103

47.1160, 44.8058,  
49.0103

255.0000, 0.0000,  
0.0000

35.4920, 37.7184,  
35.5255

109.0460, 40.8963,  
42.9327

24.5690, 30.7785,  
21.4260

136.8720, 41.4751,  
43.9623

13.7600, 24.2753,  
7.2265

164.5840, 41.6171,  
45.0918

6.3210, 16.6037,  
-5.5435

189.7880, 32.1495,  
48.4209

2.5250, 7.1362,  
-2.2144


209.2140, 22.5725,  
40.1543


0.0000, 0.0000,  
0.0000


225.6500, 14.4696,


25.7400


 242.6730, 6.0772,  
10.8108


 47.1160, 44.8058,  
49.0103

 47.1160, 44.8058,  
49.0103


 46.5290, 45.0952,  
49.5251

 56.5300, 40.1647,  
44.2622

 65.6450, 35.6710,  
38.8993

 74.4720, 31.3193,  
34.6661

 83.5870, 26.8256,  
29.3032

 93.0010, 22.1845,  
24.5551

■ 102.1160, 17.6908,  
19.1923

■ 111.5300, 13.0497,  
14.4442

■ 120.0580, 8.8454,  
9.5961

■ 129.4720, 4.2043,  
4.8481

# Harmonies

## Analogous

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



53.7680, 58.7814, -47.1545



47.1160, 44.8058, 49.0103



53.3440, 15.6064, 81.2593

# Triad

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



47.1160, 44.8058, 49.0103



58.3310, -28.7572, 30.4047



59.3060, 19.0761, -52.0114

# Complementary

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



47.1160, 44.8058, 49.0103



91.8840, -44.8058, -49.0103

# 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.



51.2920, -6.5530, -44.9831



47.1160, 44.8058, 49.0103



53.0500, -26.1536, -11.4448

# Square

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



47.1160, 44.8058, 49.0103



39.1690, -19.3103, 80.5358



45.1990, -22.2831, -39.6395



65.1200, 41.3528, -57.1102



# Rectangle

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



47.1160, 44.8058, 49.0103



51.2190, -1.5870, 89.2619



45.1990, -22.2831, -39.6395



56.4390, 10.6296, -49.4970

# Sweetspot

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



47.1160, 44.8058, 49.0103



143.1160, 17.6908, 19.1923



38.3370, 49.1339, -32.7445



67.8240, 10.4398, 11.5554



217.0000, 0.0000, 0.0000



89.0000, 0.0000, 0.0000



# Same Dimension

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



47.1160, 44.8058, 49.0103



60.1730, 58.5817, 63.8693



53.9330, 25.6690, 73.7268



64.2930, 2.3206, 2.3740



44.7630, 43.5008, 47.5658



1.7660, 1.5944, 1.9592



# Inverse Universe

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



45.9530, -4.9068, 80.7252



58.7650, -6.2931, 105.4461



85.0670, -25.6690, -73.7268



64.3210, -0.1583, 4.1035



43.6430, -4.7540, 78.3661

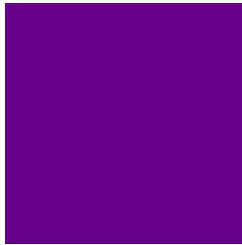


1.6090, -0.3002, 2.9739



# Previews

## White Background



This preview shows how the YUV color 47.1160, 44.8058, 49.0103 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

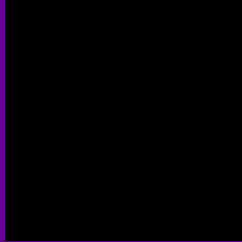
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 47.1160, 44.8058, 49.0103

## Background



This preview shows how black text looks on a background with the YUV color 47.1160, 44.8058, 49.0103.



This preview shows how white text looks on a background with the YUV color 47.1160, 44.8058,



# 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

47.1160, 44.8058, 49.0103

### Protanopia

52.0290, 39.4257, -45.6294

### Deuteranopia

51.8520, 31.1320, -45.4742



## Tritanopia

65.2200, -3.5595, 21.7321

# Trichromacy



## Original Color

47.1160, 44.8058, 49.0103

## Protanomaly

49.8190, 41.5012, -11.2423

## Deuteranomaly

49.7390, 36.1177, -11.1721

## Tritanomaly

58.8680, 13.8691, 31.6878

# Monochromacy



## Original Color

47.1160, 44.8058, 49.0103

## Achromatopsia

47.0000, 0.0000, 0.0000

## Achromatomaly

46.7630, 16.3858, 17.7478

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 47.1160, 44.8058, 49.0103 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(103, 1, 138)` looks like.

```
.text, #text, p{  
    color:rgb(103, 1, 138)  
}
```

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(103, 1, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 1, 138) }
```

## Border

The CSS property to change the border of an element to YUV 47.1160, 44.8058, 49.0103 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(103, 1, 138) }
```



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

```
.border{ border-color:rgb(103, 1, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 1, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 1, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 1, 138);  
box-shadow:4px 4px 4px 4px rgb(103, 1,  
138) }
```

# Background

The CSS property to change the background color of an element to YUV 47.1160, 44.8058, 49.0103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 1, 138) }
```

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

```
.background{ background-color: rgb(103, 1,  
138) }
```

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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