

# Converting Colors

YUV(64.6490, 43.0640, 47.6658)

Have a look what the booklet for  
YUV(64.6490, 43.0640, 47.6658)  
contains.

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# Color

**YUV(64.6490, 43.0640,  
47.6658)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	771498
RGB	119, 20, 152
RGB Percent	47%, 8%, 60%
CMY	0.5333, 0.9216, 0.4039
CMYK	0.22, 0.87, 0.00, 0.40
HSL	285°, 77%, 34%
HSV	285°, 87%, 60%
XYZ	13.5254, 6.6892, 30.2840
YIQ	64.6490, 16.6320, 62.0400

# Conversions

## Conversions Part 2

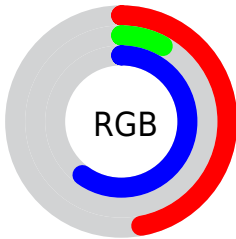
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	119, 20, 152
Decimal	7804056
CIE <sub>Lab</sub>	31.09, 58.07, -49.36
CIE <sub>LCh</sub>	31, 76.217, 319.634
Yxy	6.6892, 0.2678, 0.1325
Android (android.graphics.Color)	4285994136 (0xFF771498)
YUV	64.6490, 43.0640, 47.6658
Hunter-Lab	25.8636, 48.0856, -51.3190

# Details

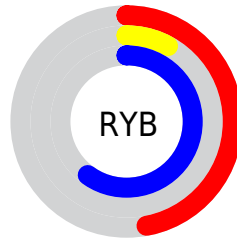
The YUV color **64.6490, 43.0640, 47.6658** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **107.3510, -43.0640, -47.6658**, and the grayscale version is **64.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **122.8830, 41.4697, 45.7066**, and **30.5360, 34.2458, 29.3479** is the 20% darker color. If you saturate the color by 10%, you get **54.6480, 47.9945, 52.9287**, and if you desaturate by 10%, it is **74.6500, 38.1335, 42.4029**.

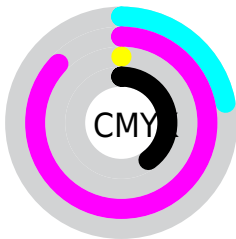
# Distribution



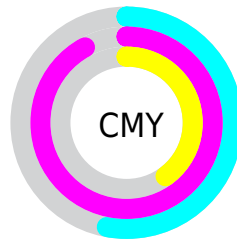
- Red (47%)
- Green (8%)
- Blue (60%)



- Red (47%)
- Yellow (8%)
- Blue (60%)



- Cyan (22%)
- Magenta (87%)
- Yellow (0%)
- Black (40%)



- Cyan (53%)
- Magenta (92%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 64.6490, 43.0640, 47.6658 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 64.6490, 43.0640, 47.6658 by changing the saturation by 10% instead.



64.6490, 43.0640,  
47.6658

64.6490, 43.0640,  
47.6658

255.0000, 0.0000,  
0.0000

41.8720, 41.4751,  
43.9623

122.8830, 41.4697,  
45.7066

30.5360, 34.2458,  
29.3479

150.7090, 42.0485,  
46.7362

20.5100, 26.8636,  
17.0927

177.3950, 38.2593,  
48.7656

5.9280, 22.7135,  
-5.1989

200.4090, 26.9134,  
47.8763

4.4800, 12.0884,  
-3.9290

216.8450, 18.8104,  
33.4619

0.0000, 0.0000,  
0.0000

233.8680, 10.4181,

18.5328

250.8910, 2.0257,  
3.6036

64.6490, 43.0640,  
47.6658

64.6490, 43.0640,  
47.6658

54.6480, 47.9945,  
52.9287

74.6500, 38.1335,  
42.4029

51.4140, 49.5889,  
54.8879

84.6510, 33.2031,  
37.1401

94.9400, 28.1306,  
30.7476

104.9410, 23.2001,  
25.4847

114.9420, 18.2696,  
20.2219

■ 124.9430, 13.3391,  
14.9590

■ 134.9440, 8.4086,  
9.6961

■ 145.2330, 3.3361,  
3.3037

■ 155.2340, -1.5944,  
-1.9592

# Harmonies

## Analogous

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



61.4620, 62.8762, -53.9022



64.6490, 43.0640, 47.6658



59.7950, 18.3421, 90.5108

# Triad

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



64.6490, 43.0640, 47.6658



69.5610, -34.2936, 32.8340



69.1200, 21.1398, -60.6182

# Complementary

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



64.6490, 43.0640, 47.6658



107.3510, -43.0640, -47.6658

# 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.



60.8780, -5.3629, -53.3900



64.6490, 43.0640, 47.6658



63.6820, -31.3952, -10.2451

# Square

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



64.6490, 43.0640, 47.6658



55.6930, -27.4566, 80.0762



52.8300, -26.0452, -46.3319



74.5750, 44.5795, -65.4023



# Rectangle

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



64.6490, 43.0640, 47.6658



57.6270, -0.3091, 99.4281



52.8300, -26.0452, -46.3319



66.2530, 12.6933, -58.1039

# Sweetspot

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



64.6490, 43.0640, 47.6658



162.4750, 16.5278, 18.8774



54.4190, 48.1074, -30.1855



79.2970, 9.7136, 11.1405



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.



64.6490, 43.0640, 47.6658



66.2970, 63.9436, 70.7765



70.7540, 23.7853, 71.2527



71.7060, 2.6099, 2.8888



47.3550, 45.6740, 50.5547



4.4720, 4.2043, 4.8481



# Inverse Universe

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



63.2300, -5.0434, 77.8513



64.1900, -7.4887, 115.5974



101.2460, -23.7853, -71.2527



71.6200, -0.3057, 4.7183



45.8500, -5.3491, 82.5696



4.2290, -0.6059, 7.6922



# Previews

## White Background



This preview shows how the YUV color 64.6490, 43.0640, 47.6658 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 64.6490, 43.0640, 47.6658 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

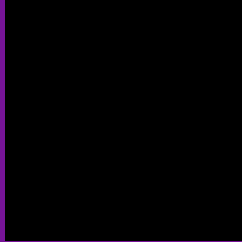
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 64.6490, 43.0640, 47.6658

## Background



This preview shows how black text looks on a background with the YUV color 64.6490, 43.0640, 47.6658.



This preview shows how white text looks on a background with the YUV color 64.6490, 43.0640,



# 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

64.6490, 43.0640, 47.6658

### Protanopia

59.5920, 45.5571, -52.2622

### Deuteranopia

59.7740, 36.1004, -52.4218



## Tritanopia

75.6120, -4.7387, 26.6503

# Trichromacy



## Original Color

64.6490, 43.0640, 47.6658



## Protanomaly

61.2960, 44.7171, -16.0456



## Deuteranomaly

61.6890, 38.6073, -16.3903



## Tritanomaly

71.8360, 12.4059, 34.3468

# Monochromacy



## Original Color

64.6490, 43.0640, 47.6658



## Achromatopsia

65.0000, 0.0000, 0.0000



## Achromatomaly

65.2360, 15.6597, 17.3330

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 64.6490, 43.0640, 47.6658 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(119, 20, 152)` looks like.

```
.text, #text, p{  
    color:rgb(119, 20, 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(119, 20, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 20, 152) }
```

## Border

The CSS property to change the border of an element to YUV 64.6490, 43.0640, 47.6658 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(119, 20, 152) }
```



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

```
.border{ border-color:rgb(119, 20, 152) }
```

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

Here you see how a box with a 4 pixel rgb(119, 20, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 20, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 20, 152);  
box-shadow:4px 4px 4px 4px rgb(119, 20,  
152) }
```

# Background

The CSS property to change the background color of an element to YUV 64.6490, 43.0640, 47.6658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 20, 152) }
```

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

```
.background{ background-color: rgb(119, 20,  
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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