

# Converting Colors

YUV(46.6960, 48.4639, 42.3626)

Have a look what the booklet for  
YUV(46.6960, 48.4639, 42.3626)  
contains.

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# Color

**YUV(46.6960, 48.4639,  
42.3626)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5F0391
RGB	95, 3, 145
RGB Percent	37%, 1%, 57%
CMY	0.6275, 0.9882, 0.4314
CMYK	0.34, 0.98, 0.00, 0.43
HSL	279°, 96%, 29%
HSV	279°, 98%, 57%
XYZ	9.8627, 4.5424, 27.1450
YIQ	46.6960, 9.2500, 63.6660

# Conversions

## Conversions Part 2

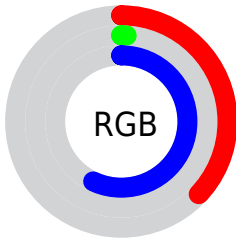
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	95, 3, 145
Decimal	6226833
CIE <sub>Lab</sub>	25.39, 56.56, -54.51
CIE <sub>LCh</sub>	25, 78.553, 316.053
Yxy	4.5424, 0.2374, 0.1093
Android (android.graphics.Color)	4284416913 (0xFF5F0391)
YUV	46.6960, 48.4639, 42.3626
Hunter-Lab	21.3128, 45.3053, -60.5956

# Details

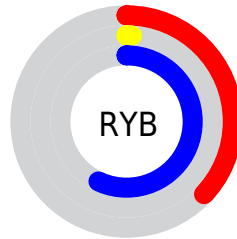
The YUV color **46.6960, 48.4639, 42.3626** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **101.3040, -48.4639, -42.3626**, and the grayscale version is **46.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **107.8650, 45.4226, 37.8294**, and **22.2630, 34.8733, 14.6783** is the 20% darker color. If you saturate the color by 10%, you get **44.6360, 49.4795, 43.2922**, and if you desaturate by 10%, it is **56.4090, 43.6754, 38.2293**.

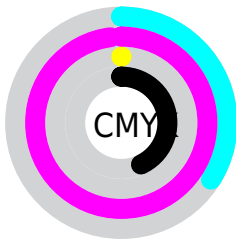
# Distribution



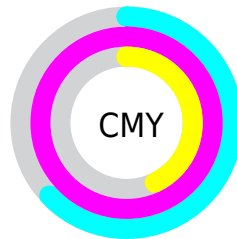
- Red (37%)
- Green (1%)
- Blue (57%)



- Red (37%)
- Yellow (1%)
- Blue (57%)



- Cyan (34%)
- Magenta (98%)
- Yellow (0%)
- Black (43%)



- Cyan (63%)
- Magenta (99%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 46.6960, 48.4639, 42.3626 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 46.6960, 48.4639, 42.3626 by changing the saturation by 10% instead.



46.6960, 48.4639,  
42.3626

46.6960, 48.4639,  
42.3626

255.0000, 0.0000,  
0.0000

33.5990, 42.1027,  
29.2927

107.8650, 45.4226,  
37.8294

22.2630, 34.8733,  
14.6783

134.6910, 46.0013,  
38.8590

9.3610, 29.4020,  
-3.8246

162.2890, 45.7065,  
40.0885

6.8910, 18.7877,  
-6.0434

187.1080, 33.4708,  
44.6323

3.3230, 10.1938,  
-2.9143


208.6270, 22.8619,  
40.6691


0.0000, 0.0000,  
0.0000


225.0630, 14.7589,


26.2547


 242.0860, 6.3666,  
11.3256


 46.6960, 48.4639,  
42.3626


 46.6960, 48.4639,  
42.3626


 44.6360, 49.4795,  
43.2922

 56.4090, 43.6754,  
38.2293

 66.7090, 38.5975,  
33.5812

 76.4220, 33.8090,  
29.4479

 86.7220, 28.7311,  
24.7998

 96.7340, 23.7951,  
21.2813

■ 107.0340, 18.7172,  
16.6332

■ 116.7470, 13.9287,  
12.4999

■ 127.0470, 8.8508,  
7.8518

■ 136.7600, 4.0623,  
3.7185

# Harmonies

## Analogous

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



55.0390, 61.1128, -48.2692



46.6960, 48.4639, 42.3626



54.0280, 18.2272, 80.6594

# Triad

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



46.6960, 48.4639, 42.3626



56.5920, -27.8999, 35.4378



58.0350, 16.7447, -50.8967

# Complementary

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



46.6960, 48.4639, 42.3626



101.3040, -48.4639, -42.3626

# 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.



49.5650, -10.6315, -43.4685



46.6960, 48.4639, 42.3626



52.4850, -25.8751, -7.4413

# Square

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



46.6960, 48.4639, 42.3626



40.3650, -19.8999, 82.9949



44.6120, -21.9937, -39.1247



64.3050, 40.7686, -56.3955



# Rectangle

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



46.6960, 48.4639, 42.3626



52.2730, -0.1346, 90.0916



44.6120, -21.9937, -39.1247



55.0540, 7.8614, -48.2824

# Sweetspot

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



46.6960, 48.4639, 42.3626



150.7350, 18.8646, 16.0184



49.7120, 46.9770, -40.9664



71.3400, 11.1714, 10.2258



222.0000, 0.0000, 0.0000



94.0000, 0.0000, 0.0000



# Same Dimension

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



46.6960, 48.4639, 42.3626



58.0240, 64.5712, 56.1070



59.4800, 32.7944, 75.0010



66.2930, 2.3206, 2.3740



41.7020, 45.9959, 40.6033



2.4070, 2.7573, 2.2741



# Inverse Universe

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



51.1580, 0.9081, 82.2994



64.0350, 0.9687, 109.5943



88.5200, -32.7944, -75.0010



66.4350, 0.2785, 4.0035



45.8370, 1.0664, 78.1960



2.7340, 0.1311, 4.6183



# Previews

## White Background



This preview shows how the YUV color 46.6960, 48.4639, 42.3626 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

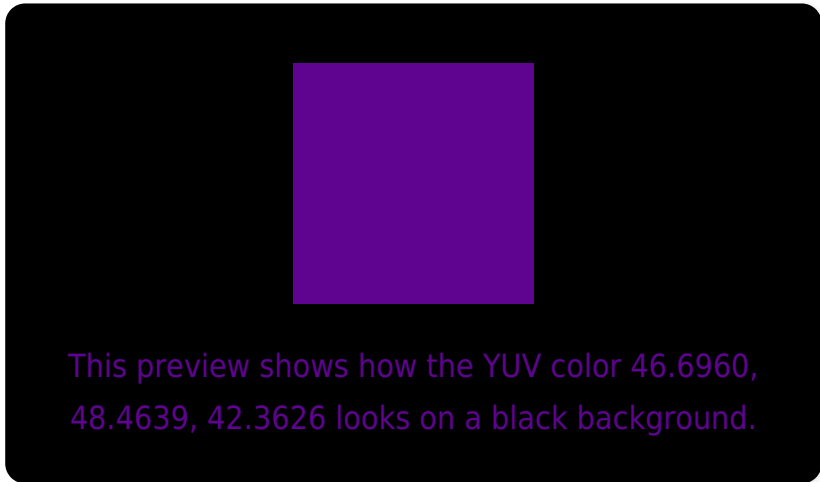
Any Text WCAG AA ✓ Pass

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

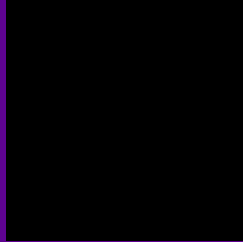
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 46.6960, 48.4639, 42.3626

## Background



This preview shows how black text looks on a background with the YUV color 46.6960, 48.4639, 42.3626.



This preview shows how white text looks on a background with the YUV color 46.6960, 48.4639,



# 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

46.6960, 48.4639, 42.3626

### Protanopia

50.3990, 38.2573, -44.1999

### Deuteranopia

50.8090, 29.6742, -44.5595



## Tritanopia

64.0340, -1.4958, 13.1252

# Trichromacy



## Original Color

46.6960, 48.4639, 42.3626

## Protanomaly

49.2210, 41.7960, -12.4718

## Deuteranomaly

49.1410, 36.4125, -12.4017

## Tritanomaly

57.6220, 16.9484, 24.0105

# Monochromacy



## Original Color

46.6960, 48.4639, 42.3626

## Achromatopsia

47.0000, 0.0000, 0.0000

## Achromatomaly

46.7950, 17.8491, 15.0888

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 46.6960, 48.4639, 42.3626 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(95, 3, 145)` looks like.

```
.text, #text, p{  
    color:rgb(95, 3, 145)  
}
```

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(95, 3, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 3, 145) }
```

## Border

The CSS property to change the border of an element to YUV 46.6960, 48.4639, 42.3626 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(95, 3, 145) }
```



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

```
.border{ border-color:rgb(95, 3, 145) }
```

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

Here you see how a box with a 4 pixel rgb(95, 3, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 3, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 3, 145);  
box-shadow:4px 4px 4px 4px rgb(95, 3, 145)  
}
```

# Background

The CSS property to change the background color of an element to YUV 46.6960, 48.4639, 42.3626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 3, 145) }
```

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

```
.background{ background-color: rgb(95, 3,  
145) }
```

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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