

# Converting Colors

YUV(68.8690, 42.4626, 7.1309)

Have a look what the booklet for  
YUV(68.8690, 42.4626, 7.1309)  
contains.

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# Color

**YUV(68.8690, 42.4626,  
7.1309)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4D309B
RGB	77, 48, 155
RGB Percent	30%, 19%, 61%
CMY	0.6980, 0.8118, 0.3922
CMYK	0.50, 0.69, 0.00, 0.39
HSL	256°, 53%, 40%
HSV	256°, 69%, 61%
XYZ	10.0339, 6.0582, 31.6509
YIQ	68.8690, -17.0630, 39.4250

# Conversions

## Conversions Part 2

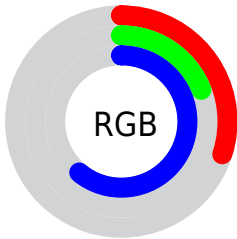
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	77, 48, 155
Decimal	5058715
CIE <sub>Lab</sub>	29.56, 39.93, -53.94
CIE <sub>LCh</sub>	30, 67.111, 306.516
Yxy	6.0582, 0.2102, 0.1269
Android (android.graphics.Color)	4283248795 (0xFF4D309B)
YUV	68.8690, 42.4626, 7.1309
Hunter-Lab	24.6135, 29.6935, -59.0124

# Details

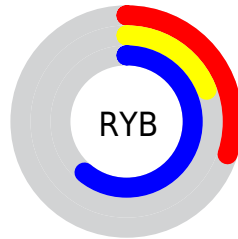
The YUV color **68.8690, 42.4626, 7.1309** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **134.1310, -42.4626, -7.1309**, and the grayscale version is **68.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **120.0590, 44.3409, 11.3493**, and **15.9060, 42.9373, -5.1796** is the 20% darker color. If you saturate the color by 10%, you get **56.7750, 48.4249, 8.0903**, and if you desaturate by 10%, it is **80.9630, 36.5002, 6.1714**.

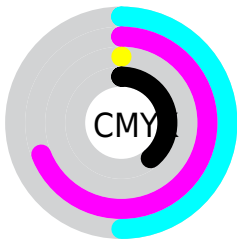
# Distribution



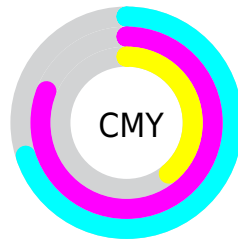
- Red (30%)
- Green (19%)
- Blue (61%)



- Red (30%)
- Yellow (19%)
- Blue (61%)



- Cyan (50%)
- Magenta (69%)
- Yellow (0%)
- Black (39%)



- Cyan (70%)
- Magenta (81%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 68.8690, 42.4626, 7.1309 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 68.8690, 42.4626, 7.1309 by changing the saturation by 10% instead.



68.8690, 42.4626,  
7.1309

68.8690, 42.4626,  
7.1309

255.0000, 0.0000,  
0.0000

43.6190, 41.5998,  
3.8421

120.0590, 44.3409,  
11.3493

15.9060, 42.9373,  
-5.1796

146.9990, 45.3565,  
12.2789

8.8920, 34.0702,  
-7.7983

172.4570, 40.6937,  
14.5082

9.0910, 22.1401,  
-7.9728

196.9770, 28.6053,  
18.4372

4.8220, 13.3988,  
-4.2289

222.3830, 16.0802,  
22.4661

0.4560, 1.7472,  
-0.3999

240.9120, 6.9454,

0.0000, 0.0000,

12.3552

0.0000

■ 68.8690, 42.4626,  
7.1309

■ 68.8690, 42.4626,  
7.1309

■ 56.7750, 48.4249,  
8.0903

■ 80.9630, 36.5002,  
6.1714

■ 43.7950, 54.8241,  
8.9498

■ 93.9430, 30.1011,  
5.3120

■ 31.1140, 61.0758,  
10.4240

■ 106.0370, 24.1388,  
4.3526

■ 30.2280, 61.5126,  
10.3240

■ 118.7180, 17.8870,  
2.8783

■ 131.3990, 11.6353,  
1.4041

■ 143.7920, 5.5255,  
1.0594

■ 156.4730, -0.7262,  
-0.4148

■ 168.5670, -6.6885,  
-1.3743

■ 180.9600,  
-12.7983, -1.7189

# Harmonies

## Analogous

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



63.5020, 55.4615, -55.6913



68.8690, 42.4626, 7.1309



53.7310, 28.7266, 73.0269

# Triad

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



68.8690, 42.4626, 7.1309



64.6320, -31.8636, 46.8037



61.9500, 8.8986, -54.3302

# Complementary

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



68.8690, 42.4626, 7.1309



134.1310, -42.4626, -7.1309

# 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.



53.6910, -15.1307, -47.0870



68.8690, 42.4626, 7.1309



64.9880, -32.0391, 9.6575

# Square

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



68.8690, 42.4626, 7.1309



44.5660, -18.0270, 88.9576



49.3300, -24.3197, -39.7544



67.7640, 31.1753, -59.4290



# Rectangle

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



68.8690, 42.4626, 7.1309



54.6390, 11.5170, 86.2626



49.3300, -24.3197, -39.7544



59.3110, 1.3257, -52.0157

# Sweetspot

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



68.8690, 42.4626, 7.1309



167.3760, 16.5766, 3.1782



105.9840, 24.1649, -50.8520



81.6440, 10.0355, 1.1892



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.



68.8690, 42.4626, 7.1309



66.7920, 66.1645, 11.5834



84.7160, 34.6500, 39.7141



70.5100, 3.1996, 0.4297



27.3220, 55.5503, 9.3646



2.3790, 5.2362, 0.5446



# Inverse Universe

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



88.8850, 18.2977, 57.9829



97.8410, 28.6724, 90.4704



118.2840, -34.6500, -39.7141



71.9620, 1.0047, 4.4183



53.4880, 23.9164, 75.8710

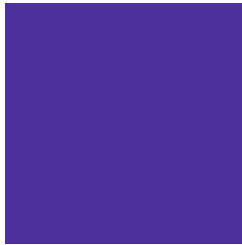


4.9130, 2.0149, 7.0923



# Previews

## White Background



This preview shows how the YUV color 68.8690, 42.4626, 7.1309 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 68.8690, 42.4626, 7.1309 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

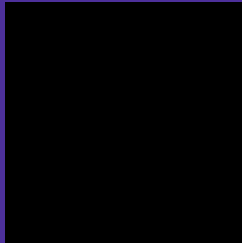
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 68.8690, 42.4626, 7.1309

## Background



This preview shows how black text looks on a background with the YUV color 68.8690, 42.4626, 7.1309.



This preview shows how white text looks on a background with the YUV color 68.8690, 42.4626,



# 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

68.8690, 42.4626, 7.1309

### Protanopia

55.5170, 42.6361, -48.6884

### Deuteranopia

56.2860, 32.8900, -49.3628



## Tritanopia

68.0030, 5.4215, -12.2806

# Trichromacy



## Original Color

68.8690, 42.4626, 7.1309

## Protanomaly

60.3500, 42.7185, -28.3709

## Deuteranomaly

60.7430, 36.6087, -28.7156

## Tritanomaly

68.3040, 19.0771, -5.5286

# Monochromacy



## Original Color

68.8690, 42.4626, 7.1309

## Achromatopsia

69.0000, 0.0000, 0.0000

## Achromatomaly

68.7350, 15.4136, 2.8634

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 68.8690, 42.4626, 7.1309 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(77, 48, 155)` looks like.

```
.text, #text, p{  
    color:rgb(77, 48, 155)  
}
```

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(77, 48, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 48, 155) }
```

## Border

The CSS property to change the border of an element to YUV 68.8690, 42.4626, 7.1309 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(77, 48, 155) }
```



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

```
.border{ border-color:rgb(77, 48, 155) }
```

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

Here you see how a box with a 4 pixel rgb(77, 48, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 48, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 48, 155);  
box-shadow:4px 4px 4px 4px rgb(77, 48,  
155) }
```

# Background

The CSS property to change the background color of an element to YUV 68.8690, 42.4626, 7.1309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 48, 155) }
```

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

```
.background{ background-color: rgb(77, 48,  
155) }
```

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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