

# Converting Colors

YUV(48.7550, 69.1408, 37.0489)

Have a look what the booklet for  
YUV(48.7550, 69.1408, 37.0489)  
contains.

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# Color

**YUV(48.7550, 69.1408,  
37.0489)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5B00BD
RGB	91, 0, 189
RGB Percent	36%, 0%, 74%
CMY	0.6431, 1.0000, 0.2588
CMYK	0.52, 1.00, 0.00, 0.26
HSL	269°, 100%, 37%
HSV	269°, 100%, 74%
XYZ	13.4997, 5.8983, 48.5711
YIQ	48.7550, -6.4330, 78.0710

# Conversions

## Conversions Part 2

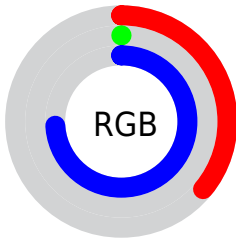
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	91, 0, 189
Decimal	5963965
CIE <sub>Lab</sub>	29.15, 66.24, -74.96
CIE <sub>LCh</sub>	29, 100.039, 311.466
Yxy	5.8983, 0.1986, 0.0868
Android (android.graphics.Color)	4284154045 (0xFF5B00BD)
YUV	48.7550, 69.1408, 37.0489
Hunter-Lab	24.2864, 56.7190, -101.5756

# Details

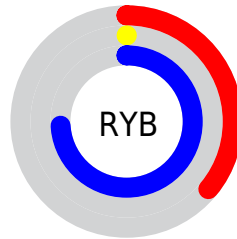
The YUV color **48.7550, 69.1408, 37.0489** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **140.2450, -69.1408, -37.0489**, and the grayscale version is **48.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **114.6960, 65.2259, 32.7156**, and **18.2660, 57.0569, -7.2493** is the 20% darker color. If you saturate the color by 10%, you get **48.7550, 69.1408, 37.0489**, and if you desaturate by 10%, it is **62.8980, 62.1683, 33.4155**.

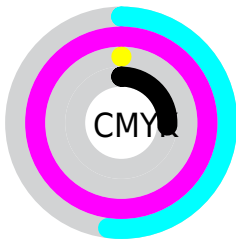
# Distribution



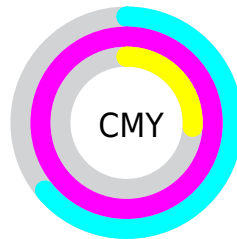
- Red (36%)
- Green (0%)
- Blue (74%)



- Red (36%)
- Yellow (0%)
- Blue (74%)



- Cyan (52%)
- Magenta (100%)
- Yellow (0%)
- Black (26%)



- Cyan (64%)
- Magenta (100%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 48.7550, 69.1408, 37.0489 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 48.7550, 69.1408, 37.0489 by changing the saturation by 10% instead.



48.7550, 69.1408,  
37.0489

48.7550, 69.1408,  
37.0489

255.0000, 0.0000,  
0.0000

35.6960, 61.7749,  
19.5606

114.6960, 65.2259,  
32.7156

18.2660, 57.0569,  
-7.2493

140.4270, 56.4845,  
36.4595

12.3120, 47.1742,  
-10.7976

165.8330, 43.9593,  
40.4885

9.3480, 35.8174,  
-8.1982

190.6520, 31.7236,  
45.0322

9.5470, 23.8873,  
-8.3727

211.5620, 21.4149,  
38.0951


5.2780, 15.1459,  
-4.6288

227.9980, 13.3120,


1.2540, 4.8048,


23.6808


-1.0998


 245.0210, 4.9196,  
8.7516


 0.0000, 0.0000,  
0.0000


 48.7550, 69.1408,  
37.0489

 62.8980, 62.1683,  
33.4155

 77.0410, 55.1958,  
29.7820

 90.8850, 48.3707,  
25.5339

 105.0280, 41.3982,  
21.9004

 119.1710, 34.4257,  
18.2670

■ 132.7270, 27.7426,  
15.1484

■ 146.8700, 20.7701,  
11.5150

■ 160.7140, 13.9450,  
7.2668

■ 174.8570, 6.9725,  
3.6334

# Harmonies

## Analogous

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



69.4300, 78.1750, -60.8901



48.7550, 69.1408, 37.0489



65.4070, 26.9143, 94.3591

# Triad

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



48.7550, 69.1408, 37.0489



62.3060, -30.7169, 52.3516



65.7630, 15.8928, -57.6742

# Complementary

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



48.7550, 69.1408, 37.0489



140.2450, -69.1408, -37.0489

# 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.



54.3290, -22.8402, -47.6465



48.7550, 69.1408, 37.0489



61.6550, -30.3959, -4.0824

# Square

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



48.7550, 69.1408, 37.0489



50.2320, -24.7644, 103.2825



51.0690, -25.1770, -44.7875



75.4870, 48.0739, -66.2021



# Rectangle

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



48.7550, 69.1408, 37.0489



64.3770, 2.2791, 109.2944



51.0690, -25.1770, -44.7875



62.0980, 4.3887, -54.4599

# Sweetspot

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



48.7550, 69.1408, 37.0489



190.2000, 27.0164, 14.7336



80.8330, 53.3263, -70.8905



89.5940, 15.9762, 9.1261



250.0000, 0.0000, 0.0000



122.0000, 0.0000, 0.0000



# Same Dimension

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



48.7550, 69.1408, 37.0489



63.2120, 89.6215, 48.0491



76.2630, 55.5793, 93.6083



87.2220, 3.3416, 1.5593



40.7360, 57.8112, 30.9265



8.0190, 11.3296, 6.1223



# Inverse Universe

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



67.6830, 14.9463, 106.3950



87.7330, 19.3586, 137.9232



112.7370, -55.5793, -93.6083



88.2610, 0.8573, 5.0331



56.5900, 12.5271, 88.9366

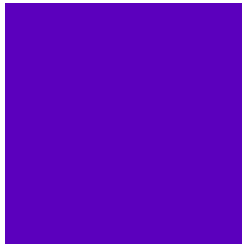


11.0930, 2.4192, 17.4584



# Previews

## White Background



This preview shows how the YUV color 48.7550, 69.1408, 37.0489 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

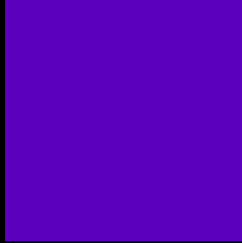
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 48.7550, 69.1408, 37.0489 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

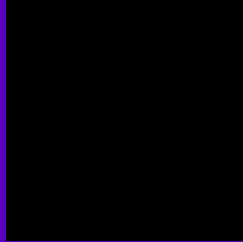
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 48.7550, 69.1408, 37.0489

## Background



This preview shows how black text looks on a background with the YUV color 48.7550, 69.1408, 37.0489.



This preview shows how white text looks on a background with the YUV color 48.7550, 69.1408,



# 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

56.9190, 42.9309, -49.9180

### Deuteranopia

56.8730, 32.6006, -49.8776

### Tritanopia

69.7860, 4.5425, -10.3363

# Trichromacy



## Protanomaly

53.9350, 52.2900, -18.3600

## Deuteranomaly

53.6270, 46.0329, -18.0899

## Tritanomaly

62.0850, 28.0591, 6.9415

# Monochromacy



## Achromatopsia

49.0000, 0.0000, 0.0000

## Achromatomaly

48.7330, 25.2746, 13.3892

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 48.7550, 69.1408, 37.0489 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(91, 0, 189)` looks like.

```
.text, #text, p{  
    color:rgb(91, 0, 189)  
}
```

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(91, 0, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 0, 189) }
```

## Border

The CSS property to change the border of an element to YUV 48.7550, 69.1408, 37.0489 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(91, 0, 189) }
```

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

```
.border{ border-color:rgb(91, 0, 189) }
```

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

Here you see how a box with a 4 pixel rgb(91, 0, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 0, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 0, 189);  
box-shadow:4px 4px 4px 4px rgb(91, 0, 189)  
}
```



# Background

The CSS property to change the background color of an element to YUV 48.7550, 69.1408, 37.0489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 0, 189) }
```

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

```
.background{ background-color: rgb(91, 0,  
189) }
```

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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