

# Converting Colors

YUV(66.4010, 52.5533, 37.3593)

Have a look what the booklet for  
YUV(66.4010, 52.5533, 37.3593)  
contains.

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# Color

**YUV(66.4010, 52.5533,  
37.3593)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6D18AD
RGB	109, 24, 173
RGB Percent	43%, 9%, 68%
CMY	0.5725, 0.9059, 0.3216
CMYK	0.37, 0.86, 0.00, 0.32
HSL	274°, 76%, 39%
HSV	274°, 86%, 68%
XYZ	14.1761, 6.9216, 40.1240
YIQ	66.4010, 2.8310, 64.3590

# Conversions

## Conversions Part 2

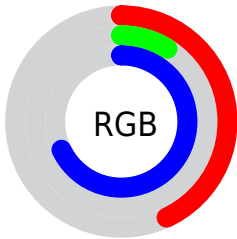
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	109, 24, 173
Decimal	7149741
CIE <sub>Lab</sub>	31.63, 59.87, -61.27
CIE <sub>LCh</sub>	32, 85.664, 314.337
Yxy	6.9216, 0.2316, 0.1131
Android (android.graphics.Color)	4285339821 (0xFF6D18AD)
YUV	66.4010, 52.5533, 37.3593
Hunter-Lab	26.3089, 50.1411, -72.0074

# Details

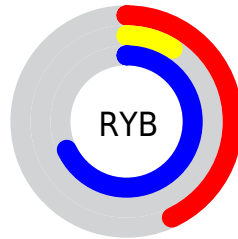
The YUV color **66.4010, 52.5533, 37.3593** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **130.5990, -52.5533, -37.3593**, and the grayscale version is **66.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **123.9880, 52.2639, 36.8445**, and **28.8150, 44.4612, 19.4562** is the 20% darker color. If you saturate the color by 10%, you get **54.3290, 58.5048, 41.8075**, and if you desaturate by 10%, it is **78.4730, 46.6018, 32.9112**.

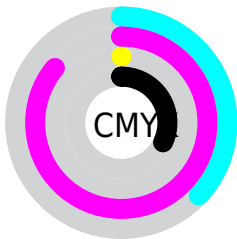
# Distribution



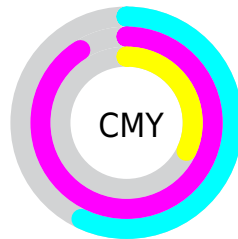
- Red (43%)
- Green (9%)
- Blue (68%)



- Red (43%)
- Yellow (9%)
- Blue (68%)



- Cyan (37%)
- Magenta (86%)
- Yellow (0%)
- Black (32%)



- Cyan (57%)
- Magenta (91%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 66.4010, 52.5533, 37.3593 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 66.4010, 52.5533, 37.3593 by changing the saturation by 10% instead.



66.4010, 52.5533,  
37.3593

66.4010, 52.5533,  
37.3593

255.0000, 0.0000,  
0.0000

40.5640, 51.9799,  
34.5854

123.9880, 52.2639,  
36.8445

28.8150, 44.4612,  
19.4562

151.3580, 51.0955,  
38.2740

16.3970, 38.2583,  
2.2828

176.1770, 38.8597,  
42.8178

7.8660, 30.1391,  
-6.8985

200.9960, 26.6240,  
47.3615

7.0050, 19.2245,  
-6.1434

218.0190, 18.2316,  
32.4323

3.3230, 10.1938,  
-2.9143

234.4550, 10.1287,

0.0000, 0.0000,

18.0180

0.0000

252.0650, 1.4470,  
2.5740

66.4010, 52.5533,  
37.3593

66.4010, 52.5533,  
37.3593

54.3290, 58.5048,  
41.8075

78.4730, 46.6018,  
32.9112

49.3230, 60.9728,  
43.5667

91.4310, 40.2135,  
28.5630

103.5030, 34.2620,  
24.1149

115.8740, 28.1631,  
20.2815

128.5330, 21.9222,  
15.3186

■ 140.9040, 15.8233,  
11.4852

■ 152.9760, 9.8718,  
7.0370

■ 165.0480, 3.9203,  
2.5889

■ 178.0060, -2.4680,  
-1.7593

# Harmonies

## Analogous

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



67.8510, 69.5865, -59.5053



66.4010, 52.5533, 37.3593



63.7120, 24.2990, 93.2146

# Triad

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



66.4010, 52.5533, 37.3593



69.9260, -34.4735, 43.9149



69.6100, 17.9403, -61.0480

# Complementary

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



66.4010, 52.5533, 37.3593



130.5990, -52.5533, -37.3593

# 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.



60.2280, -12.9304, -52.8200



66.4010, 52.5533, 37.3593



66.3730, -32.7219, -4.7121

# Square

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



66.4010, 52.5533, 37.3593



48.4380, -23.8799, 99.5939



54.0040, -26.6240, -47.3615



77.3790, 45.1692, -67.8614



# Rectangle

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



66.4010, 52.5533, 37.3593



62.1700, 2.8742, 105.0909



54.0040, -26.6240, -47.3615



66.9880, 7.8939, -58.7485

# Sweetspot

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



66.4010, 52.5533, 37.3593



182.4790, 20.4699, 14.4889



79.1410, 46.2725, -48.3587



86.9700, 12.3398, 8.7963



240.0000, 0.0000, 0.0000



112.0000, 0.0000, 0.0000



# Same Dimension

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



66.4010, 52.5533, 37.3593



63.8080, 78.9747, 56.2964



84.3970, 38.7513, 77.7048



80.5210, 3.1941, 2.1741



42.8140, 52.8427, 37.8741



6.5090, 8.1301, 5.6926



# Inverse Universe

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



75.8470, 5.9914, 85.2032



77.9200, 8.9134, 128.1122



112.6030, -38.7513, -77.7048



81.1470, 0.4205, 5.1331



52.2600, 6.2808, 85.7180

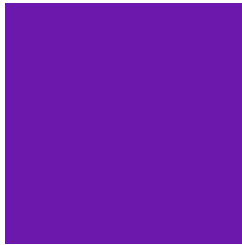


8.0170, 0.9776, 13.1401



# Previews

## White Background



This preview shows how the YUV color 66.4010, 52.5533, 37.3593 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

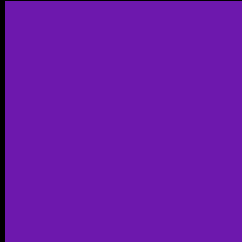
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 66.4010, 52.5533, 37.3593 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

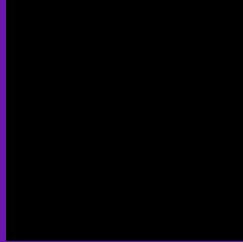
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 66.4010, 52.5533, 37.3593

## Background



This preview shows how black text looks on a background with the YUV color 66.4010, 52.5533, 37.3593.



This preview shows how white text looks on a background with the YUV color 66.4010, 52.5533,



# 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

66.4010, 52.5533, 37.3593

### Protanopia

60.4070, 46.1413, -52.9769

### Deuteranopia

60.9480, 35.5216, -53.4514



## Tritanopia

76.6640, -0.3274, 11.6957

# Trichromacy



## Original Color

66.4010, 52.5533, 37.3593

## Protanomaly

62.5990, 48.5117, -19.8193

## Deuteranomaly

62.8780, 41.9651, -20.0640

## Tritanomaly

72.7680, 18.8484, 21.2515

# Monochromacy



## Original Color

66.4010, 52.5533, 37.3593

## Achromatopsia

66.0000, 0.0000, 0.0000

## Achromatomaly

66.4250, 19.0175, 13.6593

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 66.4010, 52.5533, 37.3593 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(109, 24, 173)` looks like.

```
.text, #text, p{  
    color:rgb(109, 24, 173)  
}
```

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(109, 24, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 24, 173) }
```

## Border

The CSS property to change the border of an element to YUV 66.4010, 52.5533, 37.3593 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(109, 24, 173) }
```



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

```
.border{ border-color:rgb(109, 24, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 24, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 24, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 24, 173);  
box-shadow:4px 4px 4px 4px rgb(109, 24,  
173) }
```

# Background

The CSS property to change the background color of an element to YUV 66.4010, 52.5533, 37.3593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 24, 173) }
```

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

```
.background{ background-color: rgb(109, 24,  
173) }
```

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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