

# Converting Colors

YUV(103.7470, 50.9037, 6.3609)

Have a look what the booklet for  
YUV(103.7470, 50.9037, 6.3609)  
contains.

<b>YUV(103.7470, 50.9037, 6.3609)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(103.7470, 50.9037,  
6.3609)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6F50CF
RGB	111, 80, 207
RGB Percent	44%, 31%, 81%
CMY	0.5647, 0.6863, 0.1882
CMYK	0.46, 0.61, 0.00, 0.19
HSL	255°, 57%, 56%
HSV	255°, 61%, 81%
XYZ	20.6867, 13.6218, 60.5704
YIQ	103.7470, -22.2910, 46.0690

# Conversions

## Conversions Part 2

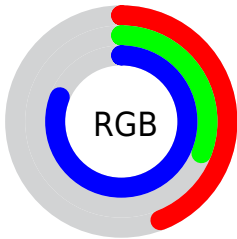
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	111, 80, 207
Decimal	7295183
CIE Lab	43.69, 43.49, -61.58
CIE LCh	44, 75.392, 305.234
Yxy	13.6218, 0.2180, 0.1436
Android (android.graphics.Color)	4285485263 (0xFF6F50CF)
YUV	103.7470, 50.9037, 6.3609
Hunter-Lab	36.9078, 35.4602, -71.4672

# Details

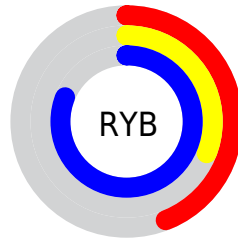
The YUV color **103.7470, 50.9037, 6.3609** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted purple. A complement of this color would be **183.2530, -50.9037, -6.3609**, and the grayscale version is **103.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **156.4980, 48.5615, 10.9643**, and **51.3610, 49.6150, -0.3166** is the 20% darker color. If you saturate the color by 10%, you get **86.6360, 59.3395, 7.3352**, and if you desaturate by 10%, it is **120.8580, 42.4680, 5.3865**.

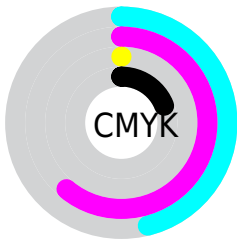
# Distribution



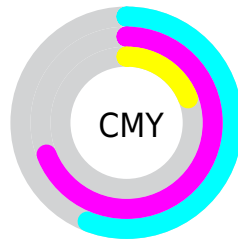
- Red (44%)
- Green (31%)
- Blue (81%)



- Red (44%)
- Yellow (31%)
- Blue (81%)



- Cyan (46%)
- Magenta (61%)
- Yellow (0%)
- Black (19%)



- Cyan (56%)
- Magenta (69%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 103.7470, 50.9037, 6.3609 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 103.7470, 50.9037, 6.3609 by changing the saturation by 10% instead.



103.7470, 50.9037,  
6.3609

103.7470, 50.9037,  
6.3609

255.0000, 0.0000,  
0.0000

77.7960, 49.8936,  
3.6869

156.4980, 48.5615,  
10.9643

51.3610, 49.6150,  
-0.3166

180.4310, 36.7625,  
15.4080

20.1420, 51.6950,  
-14.1565

204.9510, 24.6742,  
19.3370

11.2860, 43.2430,  
-9.8978

229.7590, 12.4438,  
22.1364

8.4360, 32.3231,  
-7.3984

246.7820, 4.0515,  
7.2072

8.1620, 21.1191,  
-7.1581

4.4800, 12.0884,

-3.9290

■ 0.0000, 0.0000,  
0.0000

■ 103.7470, 50.9037,  
6.3609

■ 103.7470, 50.9037,  
6.3609

■ 86.6360, 59.3395,  
7.3352

■ 120.8580, 42.4680,  
5.3865

■ 70.4110, 67.3384,  
8.4096

■ 137.0830, 34.4691,  
4.3122

■ 53.3000, 75.7741,  
9.3839

■ 154.1940, 26.0334,  
3.3379

■ 38.8470, 82.8994,  
10.6582

■ 171.3050, 17.5976,  
2.3635

■ 188.1170, 9.3093,  
0.7744

■ 204.6410, 1.1630,  
0.3148

■ 221.7520, -7.2727,  
-0.6595

■ 238.5640,  
-15.5611, -2.2486

■ 248.6310,  
-20.5241, 2.9546

# Harmonies

## Analogous

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



90.2030, 68.9199, -79.1080



103.7470, 50.9037, 6.3609



91.6980, 32.1939, 80.9489

# Triad

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



103.7470, 50.9037, 6.3609



96.0070, -47.3315, 61.3839



88.6050, 12.0267, -77.7066

# Complementary

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



103.7470, 50.9037, 6.3609



183.2530, -50.9037, -6.3609

# 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.



79.2060, -16.3706, -69.4637



103.7470, 50.9037, 6.3609



96.6180, -47.6327, 17.8750

# Square

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



103.7470, 50.9037, 6.3609



84.8080, -25.0483, 101.0234



83.3080, -41.0708, -33.5961



95.6730, 39.1082, -83.9052



# Rectangle

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



103.7470, 50.9037, 6.3609



74.5190, 20.4501, 114.4318



83.3080, -41.0708, -33.5961



85.5100, 2.7066, -74.9923

# Sweetspot

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



103.7470, 50.9037, 6.3609



217.5330, 18.4712, 2.1636



151.4170, 27.4024, -62.6327



104.3990, 11.6353, 1.4041



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



103.7470, 50.9037, 6.3609



101.3000, 75.7741, 9.3839



122.2850, 41.7645, 44.4771



96.1510, 4.3626, 0.7446



31.4110, 67.3384, 8.4096



7.6640, 16.4346, 2.0487



# Inverse Universe

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



128.9170, 23.2119, 68.4788



138.8130, 34.6022, 101.8960



164.7150, -41.7645, -44.4771



98.2010, 1.8729, 5.9627



64.7100, 30.7090, 90.5853

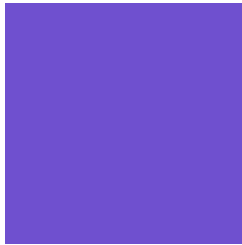


15.7930, 7.4971, 22.1065



# Previews

## White Background



This preview shows how the YUV color 103.7470, 50.9037, 6.3609 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

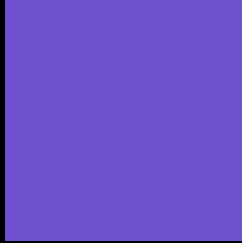
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 103.7470, 50.9037, 6.3609 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

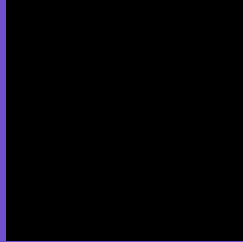
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 103.7470, 50.9037, 6.3609

## Background



This preview shows how black text looks on a background with the YUV color 103.7470, 50.9037, 6.3609.



This preview shows how white text looks on a background with the YUV color 103.7470, 50.9037, 6.3609.



# 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

103.7470, 50.9037, 6.3609

### Protanopia

82.1670, 63.5147, -72.0605

### Deuteranopia

82.6110, 49.9848, -72.4498



## Tritanopia

101.0460, 6.8793, -13.1953

# Trichromacy



## Original Color

103.7470, 50.9037, 6.3609

## Protanomaly

89.9040, 59.2073, -43.7658

## Deuteranomaly

90.2000, 50.1874, -44.0254

## Tritanomaly

102.2160, 22.5715, -6.3284

# Monochromacy



## Original Color

103.7470, 50.9037, 6.3609

## Achromatopsia

104.0000, 0.0000, 0.0000

## Achromatomaly

103.8320, 18.3238, 2.7783

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 103.7470, 50.9037, 6.3609 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(111, 80, 207)` looks like.

```
.text, #text, p{  
    color:rgb(111, 80, 207)  
}
```

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(111, 80, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 80, 207) }
```

## Border

The CSS property to change the border of an element to YUV 103.7470, 50.9037, 6.3609 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(111, 80, 207) }
```



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

```
.border{ border-color:rgb(111, 80, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 80, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 80, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 80, 207);  
box-shadow:4px 4px 4px 4px rgb(111, 80,  
207) }
```

# Background

The CSS property to change the background color of an element to YUV 103.7470, 50.9037, 6.3609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 80, 207) }
```

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

```
.background{ background-color: rgb(111, 80,  
207) }
```

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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