

# Converting Colors

YUV(87.5030, 37.7130, 37.2699)

Have a look what the booklet for  
YUV(87.5030, 37.7130, 37.2699)  
contains.

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# Color

**YUV(87.5030, 37.7130,  
37.2699)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8233A4
RGB	130, 51, 164
RGB Percent	51%, 20%, 64%
CMY	0.4902, 0.8000, 0.3569
CMYK	0.21, 0.69, 0.00, 0.36
HSL	282°, 53%, 42%
HSV	282°, 69%, 64%
XYZ	17.0906, 9.7938, 36.1116
YIQ	87.5030, 10.8110, 51.8910

# Conversions

## Conversions Part 2

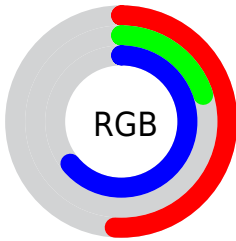
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	130, 51, 164
Decimal	8532900
CIE <sub>Lab</sub>	37.47, 51.74, -46.25
CIE <sub>LCh</sub>	37, 69.397, 318.206
Yxy	9.7938, 0.2713, 0.1555
Android (android.graphics.Color)	4286722980 (0xFF8233A4)
YUV	87.5030, 37.7130, 37.2699
Hunter-Lab	31.2951, 42.7145, -46.5086

# Details

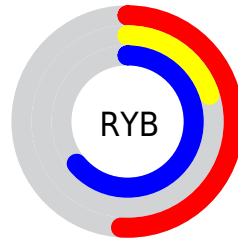
The YUV color **87.5030, 37.7130, 37.2699** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **127.4970, -37.7130, -37.2699**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **141.7420, 38.5812, 38.8143**, and **35.3780, 37.2816, 35.6255** is the 20% darker color. If you saturate the color by 10%, you get **76.6160, 43.0803, 42.4328**, and if you desaturate by 10%, it is **98.3900, 32.3457, 32.1070**.

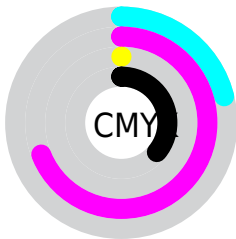
# Distribution



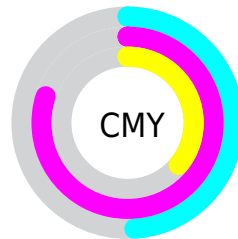
- Red (51%)
- Green (20%)
- Blue (64%)



- Red (51%)
- Yellow (20%)
- Blue (64%)



- Cyan (21%)
- Magenta (69%)
- Yellow (0%)
- Black (36%)



- Cyan (49%)
- Magenta (80%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 87.5030, 37.7130, 37.2699 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 87.5030, 37.7130, 37.2699 by changing the saturation by 10% instead.



87.5030, 37.7130,  
37.2699

87.5030, 37.7130,  
37.2699

255.0000, 0.0000,  
0.0000

59.3290, 38.2918,  
38.2995

141.7420, 38.5812,  
38.8143

35.3780, 37.2816,  
35.6255

168.8670, 39.0126,  
40.4586

24.4550, 30.3417,  
21.5260

194.1850, 29.9818,  
43.6878

14.5430, 23.3963,  
9.1708

213.9100, 20.2574,  
36.0359

6.2070, 16.1669,  
-5.4435

230.9330, 11.8650,  
21.1068

2.5250, 7.1362,  
-2.2144

247.9560, 3.4727,

0.0000, 0.0000,

6.1776

0.0000

■ 87.5030, 37.7130,  
37.2699

■ 87.5030, 37.7130,  
37.2699

■ 76.6160, 43.0803,  
42.4328

■ 98.3900, 32.3457,  
32.1070

■ 65.1420, 48.7370,  
48.1105

■ 109.8640, 26.6890,  
26.4293

■ 54.2550, 54.1043,  
53.2734

■ 120.7510, 21.3218,  
21.2664

■ 53.0810, 54.6831,  
54.3030

■ 132.2250, 15.6651,  
15.5887

■ 143.1120, 10.2978,  
10.4258

■ 153.9990, 4.9305,  
5.2629

■ 165.4730, -0.7262,  
-0.4148

■ 176.0610, -5.9461,  
-6.1925

■ 187.5350,  
-11.6028, -11.8702

# Harmonies

## Analogous

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



71.7660, 61.7404, -62.9388



87.5030, 37.7130, 37.2699



64.9080, 23.7094, 95.6737

# Triad

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



87.5030, 37.7130, 37.2699



83.4600, -41.1458, 37.3076



79.0650, 21.1670, -69.3400

# Complementary

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



87.5030, 37.7130, 37.2699



127.4970, -37.7130, -37.2699

# 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.



71.7520, -4.3147, -62.9265



87.5030, 37.7130, 37.2699



79.3750, -39.1319, -2.0829

# Square

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



87.5030, 37.7130, 37.2699



76.3260, -37.6287, 76.0131



61.6350, -30.3861, -54.0539



84.1780, 43.2962, -73.8241



# Rectangle

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



87.5030, 37.7130, 37.2699



63.3810, 6.2212, 104.9059



61.6350, -30.3861, -54.0539



76.8990, 12.8678, -67.4404

# Sweetspot

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



87.5030, 37.7130, 37.2699



183.6980, 14.9389, 15.1739



85.0140, 38.9401, -29.8303



88.7590, 8.9928, 8.9814



235.0000, 0.0000, 0.0000



107.0000, 0.0000, 0.0000



# Same Dimension

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



87.5030, 37.7130, 37.2699



93.6670, 59.3242, 59.0510



95.2750, 23.5284, 60.2718



75.8200, 3.0467, 2.7889



47.0280, 48.3002, 48.2104



5.6400, 6.0935, 5.5777



# Inverse Universe

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



88.6630, -1.8059, 66.0705



95.3780, -2.6514, 104.0315



119.7250, -23.5284, -60.2718



76.0330, -0.0163, 5.2331



48.3710, -2.1549, 84.7436



5.9520, -0.4693, 10.5661



# Previews

## White Background



This preview shows how the YUV color 87.5030, 37.7130, 37.2699 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

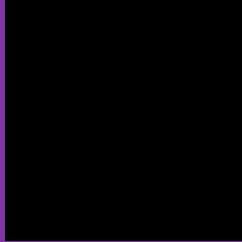
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 87.5030, 37.7130, 37.2699

## Background



This preview shows how black text looks on a background with the YUV color 87.5030, 37.7130, 37.2699.



This preview shows how white text looks on a background with the YUV color 87.5030, 37.7130,



# 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

87.5030, 37.7130, 37.2699

### Protanopia

71.2300, 54.6096, -62.4687

### Deuteranopia

79.1000, 38.4047, -44.8147



## Tritanopia

89.9430, -3.4229, 24.6060

# Trichromacy



## Original Color

87.5030, 37.7130, 37.2699



## Protanomaly

76.8540, 48.3860, -26.1820



## Deuteranomaly

82.2870, 38.3125, -15.1607



## Tritanomaly

89.1620, 11.2591, 28.7989

# Monochromacy



## Original Color

87.5030, 37.7130, 37.2699



## Achromatopsia

88.0000, 0.0000, 0.0000



## Achromatomaly

88.0460, 13.7813, 13.1147

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 87.5030, 37.7130, 37.2699 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(130, 51, 164)` looks like.

```
.text, #text, p{  
    color:rgb(130, 51, 164)  
}
```

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(130, 51, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 51, 164) }
```

## Border

The CSS property to change the border of an element to YUV 87.5030, 37.7130, 37.2699 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(130, 51, 164) }
```



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

```
.border{ border-color:rgb(130, 51, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 51, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 51, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 51, 164);  
box-shadow:4px 4px 4px 4px rgb(130, 51,  
164) }
```

# Background

The CSS property to change the background color of an element to YUV 87.5030, 37.7130, 37.2699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 51, 164) }
```

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

```
.background{ background-color: rgb(130, 51,  
164) }
```

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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