

# Converting Colors

YUV(84.9730, 37.9743, 0.0237)

Have a look what the booklet for  
YUV(84.9730, 37.9743, 0.0237)  
contains.

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# Color

**YUV(84.9730, 37.9743,  
0.0237)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5546A2
RGB	85, 70, 162
RGB Percent	33%, 27%, 64%
CMY	0.6667, 0.7255, 0.3647
CMYK	0.48, 0.57, 0.00, 0.36
HSL	250°, 40%, 45%
HSV	250°, 57%, 64%
XYZ	12.4581, 8.9202, 35.2476
YIQ	84.9730, -20.5920, 31.7920

# Conversions

## Conversions Part 2

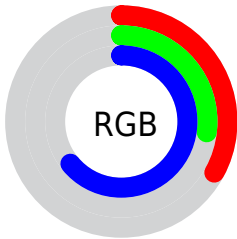
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	85, 70, 162
Decimal	5588642
CIE Lab	35.83, 30.58, -47.96
CIE LCh	36, 56.882, 302.519
Yxy	8.9202, 0.2200, 0.1575
Android (android.graphics.Color)	4283778722 (0xFF5546A2)
YUV	84.9730, 37.9743, 0.0237
Hunter-Lab	29.8668, 22.1892, -49.0649

# Details

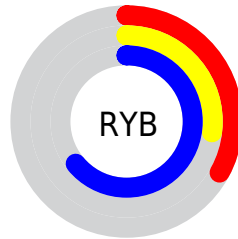
The YUV color **84.9730, 37.9743, 0.0237** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **147.0270, -37.9743, -0.0237**, and the grayscale version is **85.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **136.5650, 40.1475, 3.0125**, and **35.7610, 36.1068, -7.6834** is the 20% darker color. If you saturate the color by 10%, you get **71.3950, 44.6683, -0.3464**, and if you desaturate by 10%, it is **98.5510, 31.2804, 0.3938**.

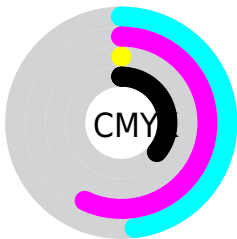
# Distribution



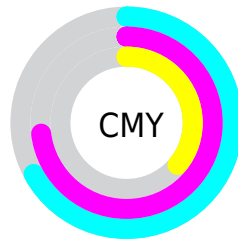
- Red (33%)
- Green (27%)
- Blue (64%)



- Red (33%)
- Yellow (27%)
- Blue (64%)



- Cyan (48%)
- Magenta (57%)
- Yellow (0%)
- Black (36%)



- Cyan (67%)
- Magenta (73%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 84.9730, 37.9743, 0.0237 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 84.9730, 37.9743, 0.0237 by changing the saturation by 10% instead.



■ 84.9730, 37.9743,  
0.0237

■ 84.9730, 37.9743,  
0.0237

■ 255.0000, 0.0000,  
0.0000

■ 60.0220, 36.9642,  
-2.6503

■ 136.5650, 40.1475,  
3.0125

■ 35.7610, 36.1068,  
-7.6834

■ 163.3910, 40.7262,  
4.0421

■ 12.5110, 35.2441,  
-10.9721

■ 188.0510, 33.0059,  
6.9713

■ 6.9540, 26.6447,  
-6.0987

■ 213.1580, 20.6281,  
10.3854

■ 5.5060, 16.0195,  
-4.8288

■ 238.2650, 8.2504,  
13.7996

■ 2.2970, 6.2626,  
-2.0145

■ 0.0000, 0.0000,

0.0000

■ 84.9730, 37.9743,  
0.0237

■ 84.9730, 37.9743,  
0.0237

■ 71.3950, 44.6683,  
-0.3464

■ 98.5510, 31.2804,  
0.3938

■ 58.1160, 51.2148,  
-0.1017

■ 111.8300, 24.7338,  
0.1491

■ 43.9510, 58.1982,  
0.0430

■ 125.9950, 17.7505,  
0.0044

■ 30.6720, 64.7447,  
0.2877

■ 139.2740, 11.2039,  
-0.2403

■ 26.2420, 66.9287,  
-0.2122

■ 152.8520, 4.5100,  
0.1298

■ 166.1310, -2.0366,  
-0.1149

■ 179.7090, -8.7305,  
0.2552

■ 193.5750,  
-15.5665, -0.5043

■ 207.1530,  
-22.2604, -0.1342

# Harmonies

## Analogous

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



72.3070, 51.1206, -63.4132



84.9730, 37.9743, 0.0237



82.1660, 22.1032, 50.7204

# Triad

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



84.9730, 37.9743, 0.0237



78.5200, -38.7104, 49.5330



70.9660, 7.9048, -62.2372

# Complementary

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



84.9730, 37.9743, 0.0237



147.0270, -37.9743, -0.0237

# 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.



63.7330, -12.1934, -55.8938



84.9730, 37.9743, 0.0237



79.2080, -39.0495, 18.2346

# Square

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



84.9730, 37.9743, 0.0237



75.0540, -18.2676, 72.7436



71.3130, -35.1573, -16.9375



76.0960, 27.5607, -66.7362



# Rectangle

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



84.9730, 37.9743, 0.0237



74.2630, 11.7023, 73.4373



71.3130, -35.1573, -16.9375



68.5550, 1.2054, -60.1227

# Sweetspot

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



84.9730, 37.9743, 0.0237



181.8980, 14.8403, 0.0895



126.2740, 17.6129, -49.3523



89.2910, 8.7305, -0.2552



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.



84.9730, 37.9743, 0.0237



91.2930, 59.5086, -0.2570



98.4280, 31.3410, 27.6886



74.6240, 3.6364, 0.3298



23.7060, 59.7979, 0.2578



2.9490, 7.4201, 0.0447



# Inverse Universe

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



106.2860, 20.0720, 48.8612



124.7360, 31.1892, 76.5305



133.5720, -31.3410, -27.6886



76.4890, 1.7309, 4.8331



57.2630, 31.9153, 76.9453



7.0920, 3.8986, 9.5663



# Previews

## White Background



This preview shows how the YUV color 84.9730, 37.9743, 0.0237 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 84.9730, 37.9743, 0.0237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

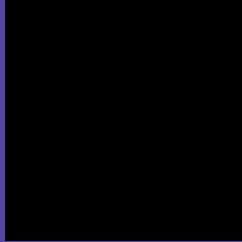
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 84.9730, 37.9743, 0.0237**

## **Background**



This preview shows how black text looks on a background with the YUV color 84.9730, 37.9743, 0.0237.



This preview shows how white text looks on a background with the YUV color 84.9730, 37.9743,



# 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

84.9730, 37.9743, 0.0237

### Protanopia

67.2690, 52.1254, -58.9949

### Deuteranopia

67.6960, 41.0689, -59.3694



## Tritanopia

82.2200, 6.3005, -14.2249

# Trichromacy



## Original Color

84.9730, 37.9743, 0.0237

## Protanomaly

73.7340, 46.9661, -37.4777

## Deuteranomaly

73.8990, 39.9828, -37.6224

## Tritanomaly

82.9400, 17.7776, -8.7174

# Monochromacy



## Original Color

84.9730, 37.9743, 0.0237

## Achromatopsia

85.0000, 0.0000, 0.0000

## Achromatomaly

85.2570, 13.6773, -0.2254

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 84.9730, 37.9743, 0.0237 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(85, 70, 162)` looks like.

```
.text, #text, p{  
    color:rgb(85, 70, 162)  
}
```

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(85, 70, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 70, 162) }
```

## Border

The CSS property to change the border of an element to YUV 84.9730, 37.9743, 0.0237 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(85, 70, 162) }
```



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

```
.border{ border-color:rgb(85, 70, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 70, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 70, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 70, 162);  
box-shadow:4px 4px 4px 4px rgb(85, 70,  
162) }
```

# Background

The CSS property to change the background color of an element to YUV 84.9730, 37.9743, 0.0237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 70, 162) }
```

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

```
.background{ background-color: rgb(85, 70,  
162) }
```

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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