

# Converting Colors

YUV(37.3790, 15.5892, 40.0096)

Have a look what the booklet for  
YUV(37.3790, 15.5892, 40.0096)  
contains.

<b>YUV(37.3790, 15.5892, 40.0096)</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(37.3790, 15.5892,  
40.0096)**

# Conversions

## Conversions Part 1

Format	Color
Hex	530845
RGB	83, 8, 69
RGB Percent	33%, 3%, 27%
CMY	0.6745, 0.9686, 0.7294
CMYK	0.00, 0.90, 0.17, 0.67
HSL	311°, 82%, 18%
HSV	311°, 90%, 33%
XYZ	4.7283, 2.4423, 5.8524
YIQ	37.3790, 25.1190, 34.8710

# Conversions

## Conversions Part 2

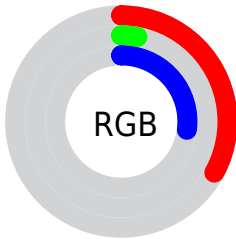
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">83, 8, 69</a>
Decimal	<a href="#">5441605</a>
CIELab	<a href="#">17.66, 38.82, -17.45</a>
CIELCh	<a href="#">18, 42.564, 335.795</a>
Yxy	<a href="#">2.4423, 0.3631, 0.1875</a>
Android (android.graphics.Color)	<a href="#">4283631685 (0xFF530845)</a>
YUV	<a href="#">37.3790, 15.5892, 40.0096</a>
Hunter-Lab	<a href="#">15.6280, 26.6567, -11.2636</a>




# Details

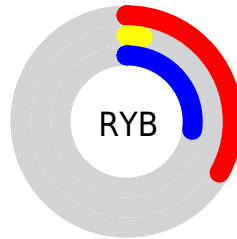
The YUV color **37.3790, 15.5892, 40.0096** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **53.6210, -15.5892, -40.0096**, and the grayscale version is **37.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **90.0970, 13.2632, 39.3799**, and **13.7280, 6.0501, 19.5325** is the 20% darker color. If you saturate the color by 10%, you get **32.5690, 17.4675, 44.2280**, and if you desaturate by 10%, it is **42.3030, 14.1476, 35.6913**.

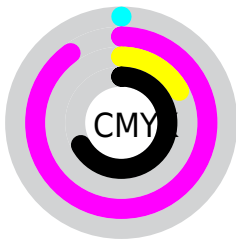
# Distribution







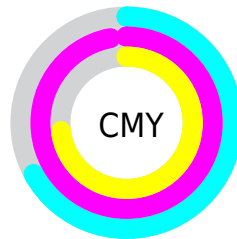
-  Red (33%)
-  Green (3%)
-  Blue (27%)






-  Red (33%)
-  Yellow (3%)
-  Blue (27%)



-  Cyan (0%)
-  Magenta (90%)
-  Yellow (17%)
-  Black (67%)




-  Cyan (67%)
-  Magenta (97%)
-  Yellow (73%)


# Brightness & Saturation Gradients


These gradients show how the YUV color 37.3790, 15.5892, 40.0096 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 37.3790, 15.5892, 40.0096 by changing the saturation by 10% instead.




 37.3790, 15.5892,  
40.0096


 37.3790, 15.5892,  
40.0096

 252.6520, 1.1576,  
2.0592


 22.5860, 11.5431,  
31.0581


 90.0970, 13.2632,  
39.3799


 13.7280, 6.0501,  
19.5325

 115.8090, 13.4052,  
40.5095

 0.0000, 0.0000,  
0.0000


 142.5210, 13.5471,  
41.6391


 169.5320, 13.5417,  
43.3834


 197.2440, 13.6837,  
44.5130


 219.0790, 17.2161,


31.5027


 235.6290, 9.5499,  
16.9884


 37.3790, 15.5892,  
40.0096

 37.3790, 15.5892,  
40.0096


 32.5690, 17.4675,  
44.2280

 42.3030, 14.1476,  
35.6913

 47.7000, 11.9799,  
30.9581

 52.6240, 10.5384,  
26.6398

 57.4340, 8.6600,  
22.4214

 62.3580, 7.2185,  
18.1030

■ 67.7550, 5.0508,  
13.3699

■ 72.6790, 3.6093,  
9.0515

■ 77.4890, 1.7309,  
4.8331

■ 83.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



43.8520, 24.7230, 3.6378



37.3790, 15.5892, 40.0096



32.8510, 3.0315, 54.5047

# Triad

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



37.3790, 15.5892, 40.0096



40.4790, -19.9561, 7.4729



41.8780, 18.3011, -36.7270

# Complementary

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



37.3790, 15.5892, 40.0096



53.6210, -15.5892, -40.0096

# 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.



38.4580, 5.1972, -33.7277



37.3790, 15.5892, 40.0096



34.7210, -17.1175, -16.4183

# Square

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



37.3790, 15.5892, 40.0096



40.9100, -20.1686, 29.0199



33.5220, -8.6383, -29.3988



42.5110, 28.3421, -37.2821



# Rectangle

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



37.3790, 15.5892, 40.0096



31.1470, -5.9885, 54.2451



33.5220, -8.6383, -29.3988



40.7380, 13.9332, -35.7272

# Sweetspot

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



37.3790, 15.5892, 40.0096



89.4070, 6.2083, 15.4291



20.7360, 30.6962, 1.1085



42.9780, 3.4618, 9.6663



181.0000, 0.0000, 0.0000



54.0000, 0.0000, 0.0000



# Same Dimension

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



37.3790, 15.5892, 40.0096



41.9110, 22.2289, 57.0831



33.1610, -0.5724, 43.7088



38.5380, 0.7208, 2.1592



41.0850, 21.6501, 56.0535



90.9140, 48.3564, 123.7324



# Inverse Universe

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



37.3790, 15.5892, 40.0096



41.9110, 22.2289, 57.0831



57.8390, 0.5724, -43.7088



38.5380, 0.7208, 2.1592



41.0850, 21.6501, 56.0535

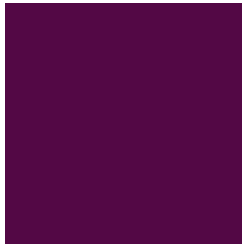


90.9140, 48.3564, 123.7324



# Previews

## White Background



This preview shows how the YUV color 37.3790, 15.5892, 40.0096 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

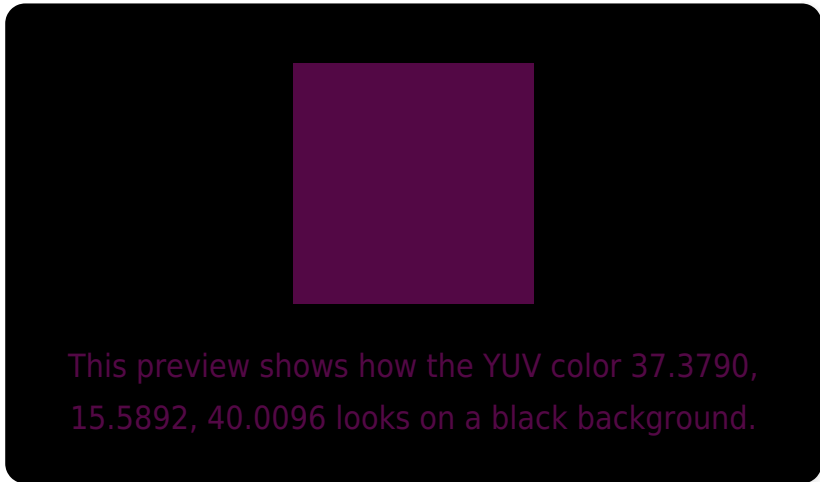
Any Text WCAG AA ✓ Pass

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

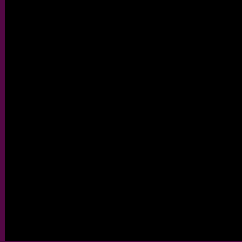
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 37.3790, 15.5892, 40.0096**

## **Background**



This preview shows how black text looks on a background with the YUV color 37.3790, 15.5892, 40.0096.



This preview shows how white text looks on a background with the YUV color 37.3790, 15.5892,



# 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

37.3790, 15.5892, 40.0096

### Protanopia

36.6580, 28.7626, -32.1491

### Deuteranopia

46.0730, 9.3310, -6.2030



## Tritanopia

43.6620, -7.2284, 31.8684

# Trichromacy



## Original Color

37.3790, 15.5892, 40.0096

## Protanomaly

36.9710, 24.1713, -6.1136

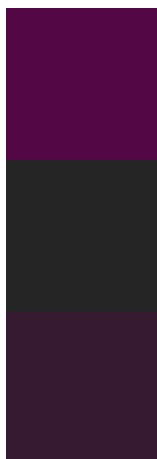
## Deuteranomaly

42.7530, 11.4608, 10.7406

## Tritanomaly

41.5620, 1.2019, 34.5871

# Monochromacy



## Original Color

37.3790, 15.5892, 40.0096

## Achromatopsia

37.0000, 0.0000, 0.0000

## Achromatomaly

36.9940, 5.9190, 14.9143

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 37.3790, 15.5892, 40.0096 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(83, 8, 69)` looks like.

```
.text, #text, p{  
    color:rgb(83, 8, 69)  
}
```

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(83, 8, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 8, 69) }
```

## Border

The CSS property to change the border of an element to YUV 37.3790, 15.5892, 40.0096 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(83, 8, 69) }
```



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

```
.border{ border-color:rgb(83, 8, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 8, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 8, 69); -webkit-box-shadow:4px  
4px 4px 4px rgb(83, 8, 69); box-shadow:4px  
4px 4px 4px rgb(83, 8, 69) }
```

# Background

The CSS property to change the background color of an element to YUV 37.3790, 15.5892, 40.0096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 8, 69) }
```

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

```
.background{ background-color: rgb(83, 8,  
69) }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor