

# Converting Colors

YUV(81.9870, -40.4196,  
37.7224)

Have a look what the booklet for  
YUV(81.9870, -40.4196, 37.7224)  
contains.

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# Color

**YUV(81.9870, -40.4196,  
37.7224)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7D4C00
RGB	125, 76, 0
RGB Percent	49%, 30%, 0%
CMY	0.5098, 0.7020, 1.0000
CMYK	0.00, 0.39, 1.00, 0.51
HSL	36°, 100%, 25%
HSV	36°, 100%, 49%
XYZ	11.0419, 9.5289, 1.2573
YIQ	81.9870, 53.6000, -13.2480

# Conversions

## Conversions Part 2

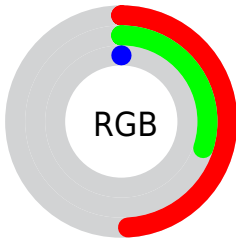
Format	Color
<a href="#">RYB</a>	<a href="#">81, 125, 0</a>
Decimal	<a href="#">8211456</a>
CIELab	<a href="#">36.98, 15.60, 46.15</a>
CIElCh	<a href="#">37, 48.709, 71.327</a>
Yxy	<a href="#">9.5289, 0.5059, 0.4365</a>
Android (android.graphics.Color)	<a href="#">4286401536 (0xFF7D4C00)</a>
YUV	<a href="#">81.9870, -40.4196, 37.7224</a>
Hunter-Lab	<a href="#">30.8688, 9.8296, 19.1933</a>

# Details

The YUV color **81.9870, -40.4196, 37.7224** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **43.0130, 40.4196, -37.7224**, and the grayscale version is **82.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **133.9490, -39.4149, 42.1407**, and **39.7140, -19.5790, 26.5608** is the 20% darker color. If you saturate the color by 10%, you get **81.9870, -40.4196, 37.7224**, and if you desaturate by 10%, it is **86.2900, -36.6250, 33.9487**.

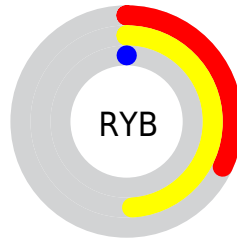
# Distribution



Red (49%)

Green (30%)

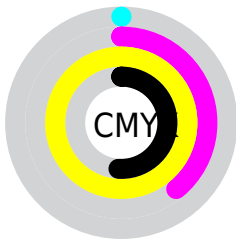
Blue (0%)



Red (32%)

Yellow (49%)

Blue (0%)

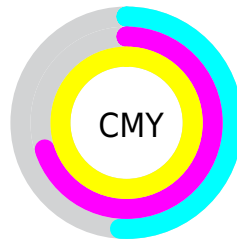


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (51%)



Cyan (51%)

Magenta (70%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 81.9870, -40.4196, 37.7224 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 81.9870, -40.4196, 37.7224 by changing the saturation by 10% instead.



81.9870, -40.4196,  
37.7224

81.9870, -40.4196,  
37.7224

253.4040, -6.1152,  
1.3997

60.4130, -29.7836,  
32.9638

133.9490,  
-39.4149, 42.1407

39.7140, -19.5790,  
26.5608

161.0310,  
-40.4413, 44.6998

19.6130, -9.6692,  
21.3874

188.7000,  
-41.7571, 46.7441

2.0930, -1.0318,  
4.3034


211.4000,  
-40.1302, 38.2372


0.0000, 0.0000,  
0.0000


230.9140,  
-36.4396, 21.1234


247.0200,


-30.5759, 6.9985


 250.2120,  
-18.3455, 4.1991


 81.9870, -40.4196,  
37.7224

 86.2900, -36.6250,  
33.9487

 90.7070, -32.3936,  
30.0750

 95.1240, -28.1621,  
26.2013

 99.4270, -24.3675,  
22.4275

 103.8440,  
-20.1361, 18.5538

■ 107.5600,  
-16.0521, 15.2949

■ 111.8630,  
-12.2575, 11.5211

■ 116.2800, -8.0260,  
7.6474

■ 120.6970, -3.7946,  
3.7737

# Harmonies

## Analogous

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



82.5160, -22.4394, 57.4295



81.9870, -40.4196, 37.7224



80.3380, -39.6066, 10.2276

# Triad

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



81.9870, -40.4196, 37.7224



73.1490, 13.7305, -64.1517



89.1400, 28.0320, 15.6632

# Complementary

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



81.9870, -40.4196, 37.7224



43.0130, 40.4196, -37.7224

# 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.



72.4560, 45.1312, -55.6509



81.9870, -40.4196, 37.7224



76.7800, 30.1815, -67.3361

# Square

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



81.9870, -40.4196, 37.7224



67.3010, -3.5994, -59.0230



75.8800, 41.9642, -66.5468



85.8750, 13.3726, 50.9756



# Rectangle

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



81.9870, -40.4196, 37.7224



76.1720, -34.5948, -10.6748



75.8800, 41.9642, -66.5468



88.2950, 32.8856, -1.1357

# Sweetspot

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



81.9870, -40.4196, 37.7224



146.2610, -15.9047, 14.6801



43.0750, 3.4140, 71.8482



71.5360, -9.6312, 9.1769



209.0000, 0.0000, 0.0000



82.0000, 0.0000, 0.0000



# Same Dimension

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



81.9870, -40.4196, 37.7224



106.8500, -52.6770, 49.2436



107.1620, -52.8309, 5.1199



61.4410, -2.1894, 2.2442



84.0580, -41.4406, 38.5371



0.0000, 0.0000, 0.0000



# Inverse Universe

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



43.0130, 40.4196, -37.7224



56.1500, 52.6770, -49.2435



17.8380, 52.8309, -5.1199



59.5590, 2.1894, -2.2442



43.9420, 41.4406, -38.5371

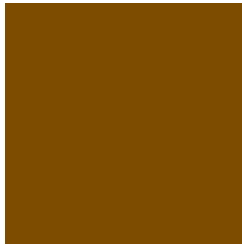


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 81.9870, -40.4196, 37.7224 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 81.9870, -40.4196, 37.7224 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

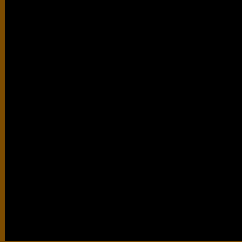
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 81.9870, -40.4196, 37.7224

## Background



This preview shows how black text looks on a background with the YUV color 81.9870, -40.4196, 37.7224.



This preview shows how white text looks on a background with the YUV color 81.9870, -40.4196,



# 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



### Protanopia

82.2830, -36.1285, 14.6608

### Deuteranopia

81.9100, -40.3816, 25.5119

### Tritanopia

88.6130, -6.2182, 34.5424

# Trichromacy



## Protanomaly

82.2840, -37.6080, 22.5529

## Deuteranomaly

81.6440, -40.2505, 30.1302

## Tritanomaly

86.2960, -18.8799, 35.6974

# Monochromacy



## Achromatopsia

82.0000, 0.0000, 0.0000

## Achromatomaly

82.1900, -14.8837, 13.8654

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 81.9870, -40.4196, 37.7224 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(125, 76, 0)` looks like.

```
.text, #text, p{  
    color:rgb(125, 76, 0)  
}
```

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(125, 76, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 76, 0) }
```

## Border

The CSS property to change the border of an element to YUV 81.9870, -40.4196, 37.7224 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(125, 76, 0) }
```

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

```
.border{ border-color:rgb(125, 76, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 76, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 76, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 76, 0);  
box-shadow:4px 4px 4px 4px rgb(125, 76, 0)  
}
```



# Background

The CSS property to change the background color of an element to YUV 81.9870, -40.4196, 37.7224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 76, 0) }
```

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

```
.background{ background-color: rgb(125, 76,  
0) }
```

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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