

# Converting Colors

YUV(37.3870, 3.2602, 27.7246)

Have a look what the booklet for  
YUV(37.3870, 3.2602, 27.7246)  
contains.

<b>YUV(37.3870, 3.2602, 27.7246)</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(37.3870, 3.2602,  
27.7246)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	45142C
RGB	69, 20, 44
RGB Percent	27%, 8%, 17%
CMY	0.7294, 0.9216, 0.8275
CMYK	0.00, 0.71, 0.36, 0.73
HSL	331°, 55%, 17%
HSV	331°, 71%, 27%
XYZ	3.1590, 1.9474, 2.5923
YIQ	37.3870, 21.5000, 17.8520

# Conversions

## Conversions Part 2

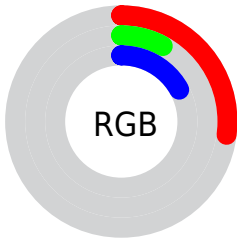
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 20, 44
Decimal	4527148
CIELab	15.21, 26.24, -3.73
CIELCh	15, 26.502, 351.915
Yxy	1.9474, 0.4103, 0.2529
Android (android.graphics.Color)	4282717228 (0xFF45142C)
YUV	37.3870, 3.2602, 27.7246
Hunter-Lab	13.9548, 15.9870, -1.2454

# Details

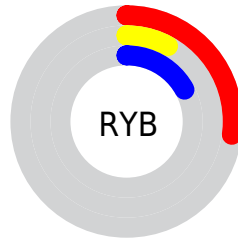
The YUV color **37.3870, 3.2602, 27.7246** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **51.6130, -3.2602, -27.7246**, and the grayscale version is **37.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **84.4690, 2.2338, 30.2837**, and **4.1860, -2.0637, 8.6069** is the 20% darker color. If you saturate the color by 10%, you get **32.8220, 3.5388, 31.7281**, and if you desaturate by 10%, it is **41.9520, 2.9817, 23.7211**.

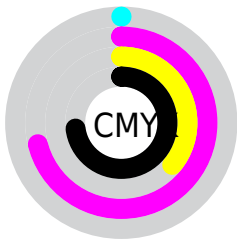
# Distribution



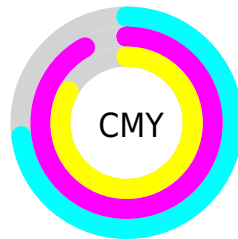
- Red (27%)
- Green (8%)
- Blue (17%)



- Red (27%)
- Yellow (8%)
- Blue (17%)



- Cyan (0%)
- Magenta (71%)
- Yellow (36%)
- Black (73%)



- Cyan (73%)
- Magenta (92%)
- Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 37.3870, 3.2602, 27.7246 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 37.3870, 3.2602, 27.7246 by changing the saturation by 10% instead.



37.3870, 3.2602,  
27.7246

37.3870, 3.2602,  
27.7246

253.2390, 0.8682,  
1.5444

16.4900, 3.7024,  
25.8803

84.4690, 2.2338,  
30.2837

4.1860, -2.0637,  
8.6069

109.4800, 2.2284,  
32.0280

0.0000, 0.0000,  
0.0000


135.0780, 1.9335,  
33.2576


161.7900, 2.0755,  
34.3872

189.0890, 1.9281,  
35.0019


216.4910, 2.2229,


33.7724


 236.1190, 6.3503,  
16.5586


 37.3870, 3.2602,  
27.7246

 37.3870, 3.2602,  
27.7246


 32.8220, 3.5388,  
31.7281

 41.9520, 2.9817,  
23.7211


 28.3710, 4.2541,  
35.6316

 46.4030, 2.2663,  
19.8176

 24.5070, 4.6800,  
39.0204

 50.9680, 1.9878,  
15.8141

 55.4190, 1.2724,  
11.9105

 59.3970, 1.2833,  
8.4218

■ 63.8480, 0.5679,  
4.5183

■ 68.4130, 0.2894,  
0.5148

■ 72.8640, -0.4260,  
-3.3887

■ 77.4290, -0.7045,  
-7.3922

# Harmonies

## Analogous

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



39.5470, 10.5763, 14.4293



37.3870, 3.2602, 27.7246



36.4060, -5.6232, 30.3389

# Triad

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



37.3870, 3.2602, 27.7246



34.5320, -17.0243, 0.4104



34.0530, 16.2429, -29.8645

# Complementary

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



37.3870, 3.2602, 27.7246



51.6130, -3.2602, -27.7246

# 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.



33.5170, 9.1121, -29.3944



37.3870, 3.2602, 27.7246



30.5880, -8.6709, -18.9327

# Square

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



37.3870, 3.2602, 27.7246



36.3920, -17.9413, 14.5652



31.2370, 0.3762, -27.3948



33.2040, 20.6054, -29.1199



# Rectangle

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



37.3870, 3.2602, 27.7246



36.4890, -11.5801, 27.6351



31.2370, 0.3762, -27.3948



34.1840, 14.2063, -29.9794

# Sweetspot

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



37.3870, 3.2602, 27.7246



77.4080, 1.2779, 10.1662



33.0610, 17.7179, 10.4705



38.2720, 0.8519, 6.7775



173.0000, 0.0000, 0.0000



46.0000, 0.0000, 0.0000



# Same Dimension

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



37.3870, 3.2602, 27.7246



40.0560, 5.3954, 42.9239



34.6510, -7.2229, 30.1241



33.4240, 0.2840, 2.2592



35.1870, 6.8098, 55.9640



80.5270, 15.0232, 128.4568



# Inverse Universe

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



37.3870, 3.2602, 27.7246



40.0560, 5.3954, 42.9239



54.3490, 7.2229, -30.1241



33.4240, 0.2840, 2.2592



35.1870, 6.8098, 55.9640

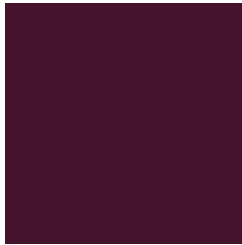


80.5270, 15.0232, 128.4568



# Previews

## White Background



This preview shows how the YUV color 37.3870, 3.2602, 27.7246 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

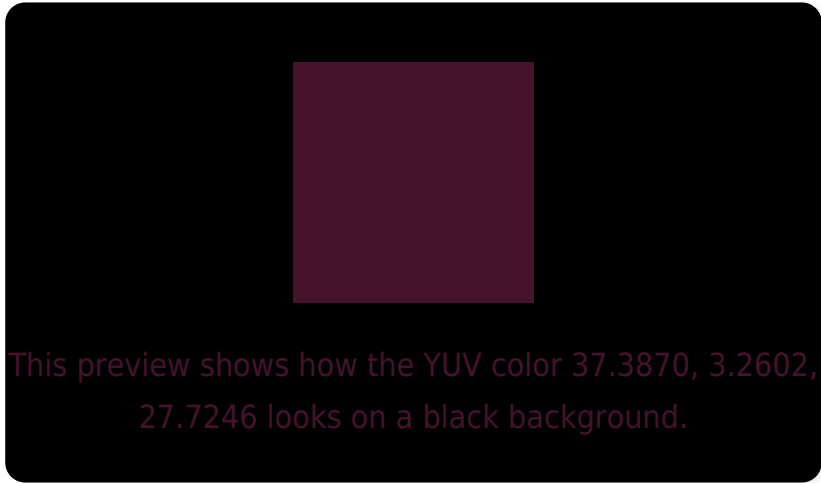
Any Text WCAG AA ✓ Pass

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

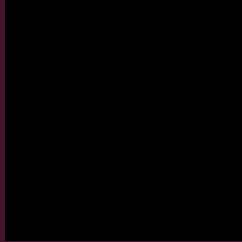
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 37.3870, 3.2602, 27.7246**

## **Background**



This preview shows how black text looks on a background with the YUV color 37.3870, 3.2602, 27.7246.



This preview shows how white text looks on a background with the YUV color 37.3870, 3.2602, 27.7246.



# 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

37.3870, 3.2602, 27.7246

### Protanopia

39.5570, 8.5994, -4.8735

### Deuteranopia

39.8370, 0.5734, 2.7740



## Tritanopia

37.9710, -5.9017, 26.3354

# Trichromacy



## Original Color

37.3870, 3.2602, 27.7246

## Protanomaly

38.7650, 6.5249, 7.2221

## Deuteranomaly

38.5330, 1.7092, 11.8106

## Tritanomaly

37.5950, -2.2653, 26.6652

# Monochromacy



## Original Color

37.3870, 3.2602, 27.7246

## Achromatopsia

37.0000, 0.0000, 0.0000

## Achromatomaly

37.4080, 1.2779, 10.1662

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 37.3870, 3.2602, 27.7246 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(69, 20, 44)` looks like.

```
.text, #text, p{  
    color:rgb(69, 20, 44)  
}
```

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(69, 20, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 20, 44) }
```

## Border

The CSS property to change the border of an element to YUV 37.3870, 3.2602, 27.7246 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(69, 20, 44) }
```



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

```
.border{ border-color:rgb(69, 20, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 20, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 20, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 20, 44);  
box-shadow:4px 4px 4px 4px rgb(69, 20, 44)  
}
```

# Background

The CSS property to change the background color of an element to YUV 37.3870, 3.2602, 27.7246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 20, 44) }
```

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

```
.background{ background-color: rgb(69, 20,  
44) }
```

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