

# Converting Colors

YUV(42.7630, 3.0748, 40.5498)

Have a look what the booklet for  
YUV(42.7630, 3.0748, 40.5498)  
contains.

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# Color

**YUV(42.7630, 3.0748,  
40.5498)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	591231
RGB	89, 18, 49
RGB Percent	35%, 7%, 19%
CMY	0.6510, 0.9294, 0.8078
CMYK	0.00, 0.80, 0.45, 0.65
HSL	334°, 66%, 21%
HSV	334°, 80%, 35%
XYZ	4.8905, 2.7782, 3.1842
YIQ	42.7630, 32.3650, 24.6930

# Conversions

## Conversions Part 2

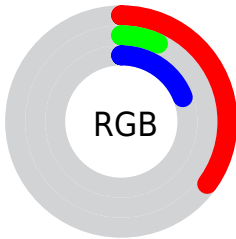
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	89, 18, 49
Decimal	5837361
CIE <sub>Lab</sub>	19.13, 34.53, -1.04
CIE <sub>LCh</sub>	19, 34.551, 358.267
Yxy	2.7782, 0.4506, 0.2560
Android (android.graphics.Color)	4284027441 (0xFF591231)
YUV	42.7630, 3.0748, 40.5498
Hunter-Lab	16.6680, 23.2043, 0.3409




# Details

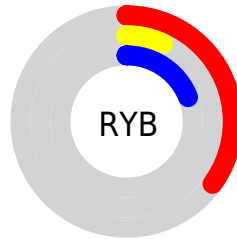
The YUV color **42.7630, 3.0748, 40.5498** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **64.2370, -3.0748, -40.5498**, and the grayscale version is **43.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **93.2040, 0.8854, 42.7941**, and **12.9710, -5.9017, 26.3354** is the 20% darker color. If you saturate the color by 10%, you get **36.9100, 3.4954, 45.6829**, and if you desaturate by 10%, it is **48.6160, 2.6543, 35.4168**.

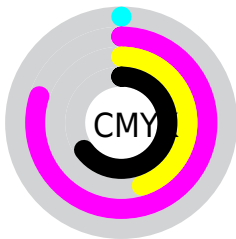
# Distribution







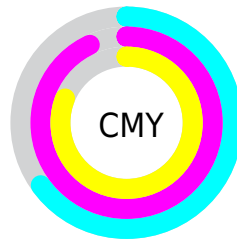
-  Red (35%)
-  Green (7%)
-  Blue (19%)






-  Red (35%)
-  Yellow (7%)
-  Blue (19%)



-  Cyan (0%)
-  Magenta (80%)
-  Yellow (45%)
-  Black (65%)



-  Cyan (65%)
-  Magenta (93%)
-  Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 42.7630, 3.0748, 40.5498 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 42.7630, 3.0748, 40.5498 by changing the saturation by 10% instead.



42.7630, 3.0748,  
40.5498

42.7630, 3.0748,  
40.5498

255.0000, 0.0000,  
0.0000

22.0290, 2.9437,  
35.9316

93.2040, 0.8854,  
42.7941

12.9710, -5.9017,  
26.3354

119.1010, 0.4432,  
44.6384

0.0000, 0.0000,  
0.0000


145.5850, -0.2884,  
45.9680

172.5960, -0.2938,  
47.7123

199.8950, -0.4412,  
48.3271


219.5230, 3.6862,

31.1133

 239.1510, 7.8136,  
13.8996


 42.7630, 3.0748,  
40.5498

 42.7630, 3.0748,  
40.5498

 36.9100, 3.4954,  
45.6829


 48.6160, 2.6543,  
35.4168

 31.0570, 3.9159,  
50.8160

 54.4690, 2.2338,  
30.2837

 60.3220, 1.8133,  
25.1506

 66.1750, 1.3927,  
20.0175

 71.4410, 1.2616,  
15.3992

■ 77.2940, 0.8411,  
10.2662

■ 83.1470, 0.4205,  
5.1331

■ 89.0000, 0.0000,  
0.0000

■ 94.8530, -0.4205,  
-5.1331

# Harmonies

## Analogous

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



47.1830, 12.7278, 24.3955



42.7630, 3.0748, 40.5498



42.2610, -9.0027, 40.9901

# Triad

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



42.7630, 3.0748, 40.5498



40.9890, -20.2076, -5.2524



42.4310, 22.9585, -37.2120

# Complementary

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



42.7630, 3.0748, 40.5498



64.2370, -3.0748, -40.5498

# 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.



42.0260, 13.7912, -36.8568



42.7630, 3.0748, 40.5498



34.9240, -8.3435, -30.6283

# Square

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



42.7630, 3.0748, 40.5498



44.3550, -21.8670, 13.7207



38.4750, 2.7238, -33.7426



40.4080, 27.8999, -35.4378



# Rectangle

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



42.7630, 3.0748, 40.5498



43.1110, -18.2957, 34.9827



38.4750, 2.7238, -33.7426



42.4480, 20.4851, -37.2269

# Sweetspot

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



42.7630, 3.0748, 40.5498



96.7400, 1.1142, 16.0140



37.7550, 25.2638, 16.8779



47.8810, 0.5517, 9.7514



186.0000, 0.0000, 0.0000



59.0000, 0.0000, 0.0000



# Same Dimension

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



42.7630, 3.0748, 40.5498



43.3620, 4.7515, 62.8265



41.5770, -11.6235, 41.5900



40.4240, 0.2840, 2.2592



37.3510, 4.7570, 61.0822



81.8930, 9.9128, 134.2748



# Inverse Universe

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



42.7630, 3.0748, 40.5498



43.3620, 4.7515, 62.8265



65.4230, 11.6235, -41.5900



40.4240, 0.2840, 2.2592



37.3510, 4.7570, 61.0822

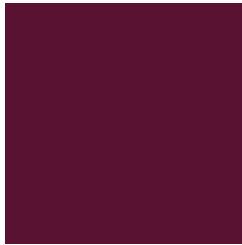


81.8930, 9.9128, 134.2748



# Previews

## White Background



This preview shows how the YUV color 42.7630, 3.0748, 40.5498 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

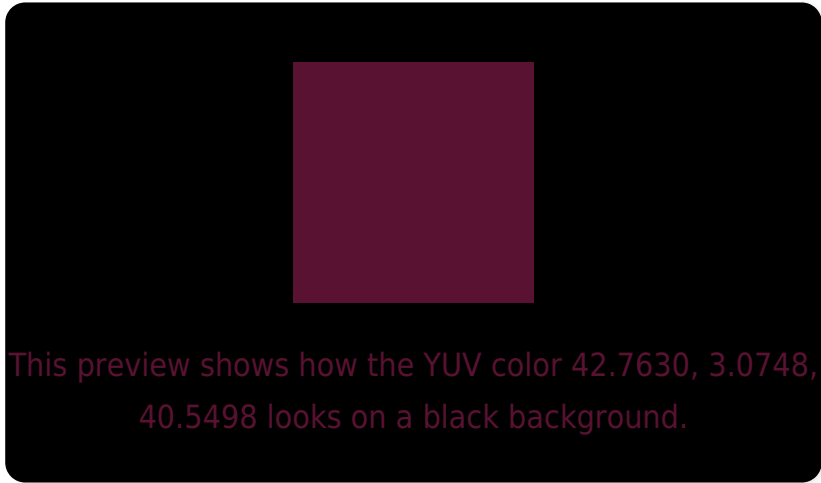
Any Text WCAG AA ✓ Pass

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

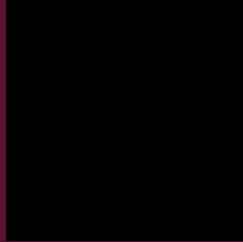
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 42.7630, 3.0748, 40.5498

## Background



This preview shows how black text looks on a background with the YUV color 42.7630, 3.0748, 40.5498.



This preview shows how white text looks on a background with the YUV color 42.7630, 3.0748,



# 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

42.7630, 3.0748, 40.5498

### Protanopia

48.6710, 9.0362, -4.9735

### Deuteranopia

48.9790, -1.4686, 4.4034



## Tritanopia

43.9510, -8.8498, 38.6310

# Trichromacy



## Original Color

42.7630, 3.0748, 40.5498

## Protanomaly

46.4990, 6.6560, 11.8404

## Deuteranomaly

46.5230, 0.2352, 17.9583

## Tritanomaly

43.1020, -4.4873, 39.3755

# Monochromacy



## Original Color

42.7630, 3.0748, 40.5498

## Achromatopsia

43.0000, 0.0000, 0.0000

## Achromatomaly

43.0280, 0.9722, 14.8844

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 42.7630, 3.0748, 40.5498 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(89, 18, 49)` looks like.

```
.text, #text, p{  
  color:rgb(89, 18, 49)  
}
```

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(89, 18, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 18, 49) }
```

## Border

The CSS property to change the border of an element to YUV 42.7630, 3.0748, 40.5498 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(89, 18, 49) }
```



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

```
.border{ border-color:rgb(89, 18, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 18, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 18, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 18, 49);  
box-shadow:4px 4px 4px 4px rgb(89, 18, 49)  
}
```

# Background

The CSS property to change the background color of an element to YUV 42.7630, 3.0748, 40.5498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 18, 49) }
```

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

```
.background{ background-color: rgb(89, 18,  
49) }
```

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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