

# Converting Colors

YUV(50.5030, 0.7380, 43.4089)

Have a look what the booklet for  
YUV(50.5030, 0.7380, 43.4089)  
contains.

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# Color

**YUV(50.5030, 0.7380,  
43.4089)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	641934
RGB	100, 25, 52
RGB Percent	39%, 10%, 20%
CMY	0.6078, 0.9020, 0.7961
CMYK	0.00, 0.75, 0.48, 0.61
HSL	338°, 60%, 25%
HSV	338°, 75%, 39%
XYZ	6.2230, 3.6525, 3.6258
YIQ	50.5030, 36.0330, 24.2970

# Conversions

## Conversions Part 2

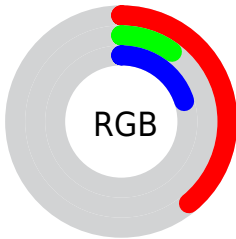
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 25, 52
Decimal	6560052
CIE Lab	22.49, 35.63, 2.01
CIE LCh	22, 35.684, 3.235
Yxy	3.6525, 0.4609, 0.2705
Android (android.graphics.Color)	4284750132 (0xFF641934)
YUV	50.5030, 0.7380, 43.4089
Hunter-Lab	19.1116, 24.6769, 2.1296

# Details

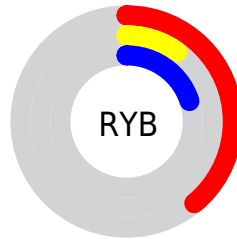
The YUV color **50.5030, 0.7380, 43.4089** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **74.4970, -0.7380, -43.4089**, and the grayscale version is **50.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **101.2430, -1.5988, 46.2679**, and **15.9330, -4.8970, 30.7538** is the 20% darker color. If you saturate the color by 10%, you get **43.9490, 1.0111, 49.1567**, and if you desaturate by 10%, it is **57.0570, 0.4649, 37.6610**.

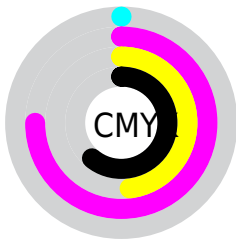
# Distribution



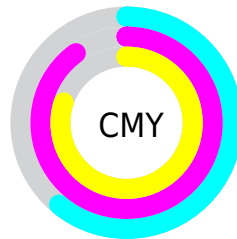
- Red (39%)
- Green (10%)
- Blue (20%)



- Red (39%)
- Yellow (10%)
- Blue (20%)



- Cyan (0%)
- Magenta (75%)
- Yellow (48%)
- Black (61%)



- Cyan (61%)
- Magenta (90%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 50.5030, 0.7380, 43.4089 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 50.5030, 0.7380, 43.4089 by changing the saturation by 10% instead.



■ 50.5030, 0.7380,  
43.4089

■ 50.5030, 0.7380,  
43.4089

■ 255.0000, 0.0000,  
0.0000

■ 25.6600, 2.6326,  
42.3942

■ 101.2430, -1.5988,  
46.2679

■ 15.9330, -4.8970,  
30.7538

■ 127.1400, -2.0410,  
48.1122

■ 2.3920, -1.1793,  
4.9182

■ 154.0370, -2.4832,  
49.9566


■ 0.0000, 0.0000,  
0.0000


■ 181.5210, -3.2149,  
51.2861


■ 205.0470, -1.0092,  
43.8088

■ 224.6750, 3.1182,

26.5950


 244.4340, 5.2090,  
9.2664


 50.5030, 0.7380,  
43.4089

 50.5030, 0.7380,  
43.4089


 43.9490, 1.0111,  
49.1567

 57.0570, 0.4649,  
37.6610


 37.2810, 0.8475,  
55.0046

 63.7250, 0.6286,  
31.8132

 34.0040, 0.9840,  
57.8785

 70.2790, 0.3555,  
26.0653

 76.9470, 0.5191,  
20.2175

 83.5010, 0.2460,  
14.4696

■ 90.0550, -0.0271,  
8.7218

■ 96.7230, 0.1366,  
2.8739

■ 103.2770, -0.1366,  
-2.8739

■ 109.9450, 0.0271,  
-8.7218

# Harmonies

## Analogous

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



53.6890, 11.9853, 29.2137



50.5030, 0.7380, 43.4089



50.4630, -12.0603, 41.6899

# Triad

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



50.5030, 0.7380, 43.4089



46.2120, -21.7965, -8.9559



48.4950, 25.8850, -42.5301

# Complementary

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



50.5030, 0.7380, 43.4089



74.4970, -0.7380, -43.4089

# 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.



47.5030, 17.0070, -41.6601



50.5030, 0.7380, 43.4089



40.7600, -6.2907, -35.7465

# Square

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



50.5030, 0.7380, 43.4089



50.2470, -24.7718, 12.0614



45.1260, 5.3609, -39.5755



45.0700, 30.5315, -39.5264



# Rectangle

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



50.5030, 0.7380, 43.4089



50.8290, -20.6217, 34.3530



45.1260, 5.3609, -39.5755



48.5120, 23.4116, -42.5450

# Sweetspot

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



50.5030, 0.7380, 43.4089



110.2240, 0.3826, 17.3436



47.9020, 25.6843, 22.0109



54.0660, -0.0325, 10.4661



194.0000, 0.0000, 0.0000



66.0000, 0.0000, 0.0000



# Same Dimension

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



50.5030, 0.7380, 43.4089



52.7710, 1.0989, 67.7298



53.2950, -13.9494, 40.9603



47.7230, 0.1366, 2.8739



39.0590, 0.9569, 66.6003



82.2760, 2.3289, 140.0779



# Inverse Universe

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



50.5030, 0.7380, 43.4089



52.7710, 1.0989, 67.7298



71.7050, 13.9494, -40.9603



47.7230, 0.1366, 2.8739



39.0590, 0.9569, 66.6003

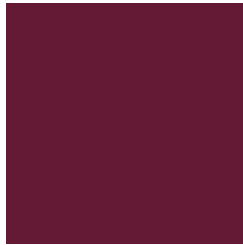


82.2760, 2.3289, 140.0779



# Previews

## White Background



This preview shows how the YUV color 50.5030, 0.7380, 43.4089 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

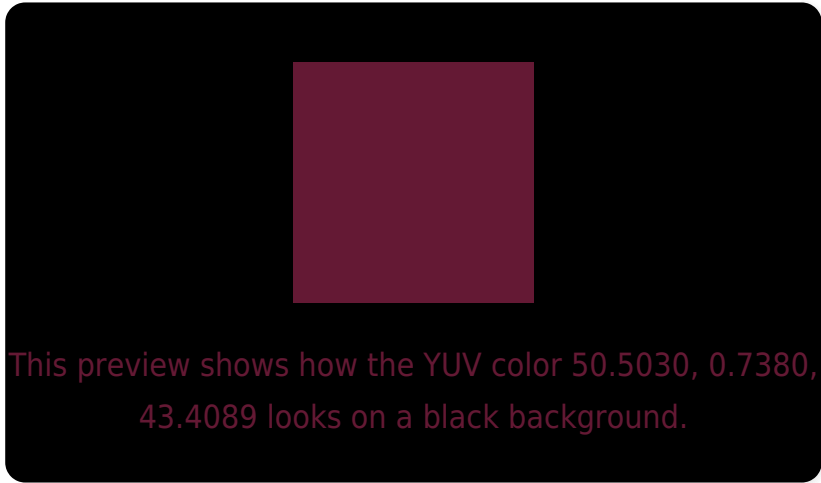
Any Text WCAG AA ✓ Pass

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

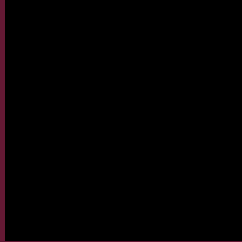
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 50.5030, 0.7380, 43.4089**

## **Background**



This preview shows how black text looks on a background with the YUV color 50.5030, 0.7380, 43.4089.



This preview shows how white text looks on a background with the YUV color 50.5030, 0.7380,



# 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

50.5030, 0.7380, 43.4089

### Protanopia

55.6990, 6.5574, -3.2440

### Deuteranopia

55.4200, -3.6581, 6.6477



## Tritanopia

50.8590, -9.2975, 42.2197

# Trichromacy



## Original Color

50.5030, 0.7380, 43.4089

## Protanomaly

53.6410, 4.6140, 13.4698

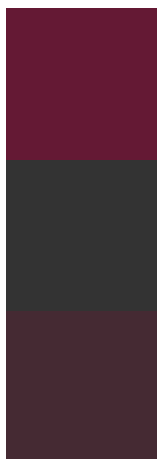
## Deuteranomaly

53.5510, -2.2436, 19.6878

## Tritanomaly

50.4830, -5.6611, 42.5494

# Monochromacy



## Original Color

50.5030, 0.7380, 43.4089

## Achromatopsia

51.0000, 0.0000, 0.0000

## Achromatomaly

51.0990, -0.0488, 15.6992

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 50.5030, 0.7380, 43.4089 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(100, 25, 52)` looks like.

```
.text, #text, p{  
    color:rgb(100, 25, 52)  
}
```

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(100, 25, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 25, 52) }
```

## Border

The CSS property to change the border of an element to YUV 50.5030, 0.7380, 43.4089 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(100, 25, 52) }
```



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

```
.border{ border-color:rgb(100, 25, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 25, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 25, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 25, 52);  
box-shadow:4px 4px 4px 4px rgb(100, 25,  
52) }
```

# Background

The CSS property to change the background color of an element to YUV 50.5030, 0.7380, 43.4089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 25, 52) }
```

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

```
.background{ background-color: rgb(100, 25,  
52) }
```

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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