

# Converting Colors

YUV(83.3890, 0.3012, 43.5088)

Have a look what the booklet for  
YUV(83.3890, 0.3012, 43.5088)  
contains.

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# Color

**YUV(83.3890, 0.3012,  
43.5088)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	853A54
RGB	133, 58, 84
RGB Percent	52%, 23%, 33%
CMY	0.4784, 0.7725, 0.6706
CMYK	0.00, 0.56, 0.37, 0.48
HSL	339°, 39%, 37%
HSV	339°, 56%, 52%
XYZ	12.7862, 8.6528, 9.3837
YIQ	83.3890, 36.3540, 23.9860

# Conversions

## Conversions Part 2

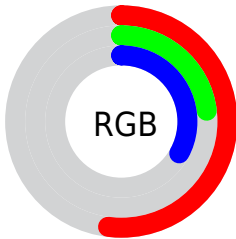
<b>Format</b>	<b>Color</b>
<b>RYB</b>	133, 58, 84
Decimal	8731220
CIELab	35.31, 35.04, 0.12
CIElCh	35, 35.045, 0.193
Yxy	8.6528, 0.4148, 0.2807
Android (android.graphics.Color)	4286921300 (0xFF853A54)
YUV	83.3890, 0.3012, 43.5088
Hunter-Lab	29.4156, 26.1119, 1.6770

# Details

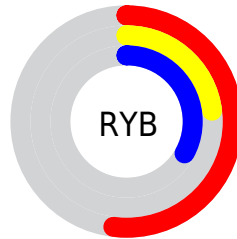
The YUV color **83.3890, 0.3012, 43.5088** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **107.6110, -0.3012, -43.5088**, and the grayscale version is **83.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **135.0690, -1.0200, 47.2975**, and **31.3010, 3.7956, 42.7090** is the 20% darker color. If you saturate the color by 10%, you get **74.7320, 0.1321, 51.1010**, and if you desaturate by 10%, it is **92.0460, 0.4703, 35.9167**.

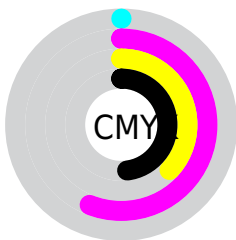
# Distribution



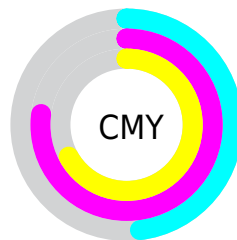
- Red (52%)
- Green (23%)
- Blue (33%)



- Red (52%)
- Yellow (23%)
- Blue (33%)



- Cyan (0%)
- Magenta (56%)
- Yellow (37%)
- Black (48%)



- Cyan (48%)
- Magenta (77%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 83.3890, 0.3012, 43.5088 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 83.3890, 0.3012, 43.5088 by changing the saturation by 10% instead.



83.3890, 0.3012,  
43.5088

83.3890, 0.3012,  
43.5088

255.0000, 0.0000,  
0.0000

58.0190, 1.4696,  
42.0793

135.0690, -1.0200,  
47.2975

31.3010, 3.7956,  
42.7090

161.7810, -0.8780,  
48.4271

18.6110, 0.1918,  
31.9132

189.5640, -1.7571,  
50.3714

8.4860, -3.6906,  
17.1138

211.5840, 1.1911,  
38.0758

0.0000, 0.0000,  
0.0000

231.3260, 5.7553,  
20.7621

249.7170, 2.6045,

4.6332

■ 83.3890, 0.3012,  
43.5088

■ 83.3890, 0.3012,  
43.5088

■ 74.7320, 0.1321,  
51.1010

■ 92.0460, 0.4703,  
35.9167

■ 65.6020, 0.6892,  
59.1080

■ 101.1760, -0.0868,  
27.9096

■ 56.9450, 0.5201,  
66.7002

■ 109.8330, 0.0823,  
20.3175

■ 48.2880, 0.3510,  
74.2924

■ 118.4900, 0.2514,  
12.7253

■ 45.0110, 0.4876,  
77.1664

■ 127.6200, -0.3057,  
4.7183

■ 136.2770, -0.1366,  
-2.8739

■ 144.9340, 0.0325,  
-10.4661

■ 153.5910, 0.2016,  
-18.0583

■ 162.7210, -0.3555,  
-26.0653

# Harmonies

## Analogous

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



85.2050, 12.7169, 27.8842



83.3890, 0.3012, 43.5088



81.9580, -12.7973, 44.7638

# Triad

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



83.3890, 0.3012, 43.5088



77.4080, -22.3861, -6.4968



69.5250, 30.3072, -60.9734

# Complementary

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



83.3890, 0.3012, 43.5088



107.6110, -0.3012, -43.5088

# 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.



68.8920, 20.2662, -60.4183



83.3890, 0.3012, 43.5088



71.1900, -8.4747, -35.2466

# Square

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



83.3890, 0.3012, 43.5088



80.0580, -28.1296, 15.7351



66.2870, 7.7465, -58.1337



71.7100, 33.1740, -47.1037



# Rectangle

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



83.3890, 0.3012, 43.5088



82.2640, -20.3432, 38.3565



66.2870, 7.7465, -58.1337



69.4280, 27.3970, -60.8884

# Sweetspot

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



83.3890, 0.3012, 43.5088



153.8110, 0.0932, 16.8288



81.2010, 25.5369, 22.6257



75.0660, -0.0325, 10.4661



214.0000, 0.0000, 0.0000



87.0000, 0.0000, 0.0000



# Same Dimension

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



83.3890, 0.3012, 43.5088



94.9560, 0.5147, 68.4446



86.8820, -14.2388, 40.4455



62.0220, -0.0108, 3.4887



44.0000, 0.4930, 75.4220



1.0110, -0.0054, 1.7444



# Inverse Universe

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



83.3890, 0.3012, 43.5088



94.9560, 0.5147, 68.4446



104.1180, 14.2388, -40.4455



62.0220, -0.0108, 3.4887



44.0000, 0.4930, 75.4220



1.0110, -0.0054, 1.7444



# Previews

## White Background



This preview shows how the YUV color 83.3890, 0.3012, 43.5088 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

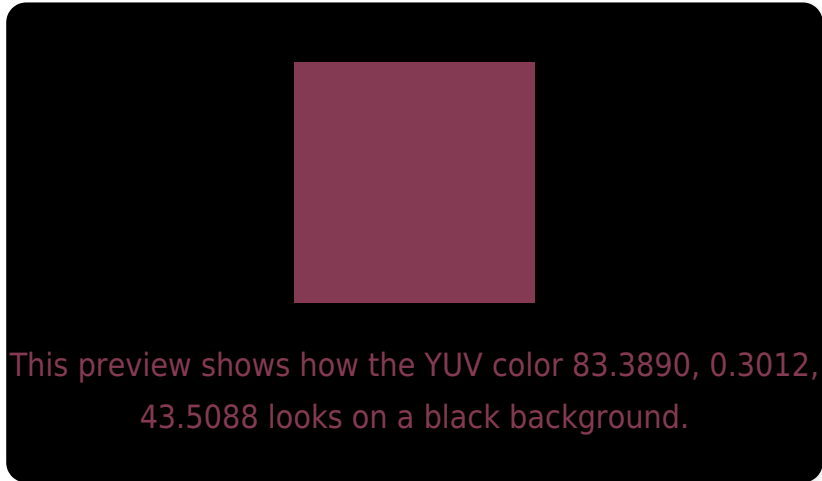
Any Text WCAG AA ✓ Pass

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

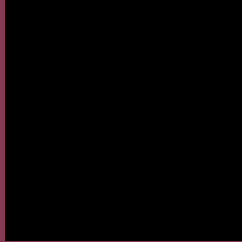
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 83.3890, 0.3012, 43.5088**

## **Background**



This preview shows how black text looks on a background with the YUV color 83.3890, 0.3012, 43.5088.



This preview shows how white text looks on a background with the YUV color 83.3890, 0.3012,



# 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

83.3890, 0.3012, 43.5088

### Protanopia

84.2260, 7.2836, -2.8292

### Deuteranopia

84.4740, -2.2057, 7.4773



## Tritanopia

83.3860, -8.5713, 42.6345

# Trichromacy



## Original Color

83.3890, 0.3012, 43.5088

## Protanomaly

84.0540, 4.9034, 13.9846

## Deuteranomaly

84.3770, -1.6649, 20.7174

## Tritanomaly

83.5970, -5.2243, 42.4494

# Monochromacy



## Original Color

83.3890, 0.3012, 43.5088

## Achromatopsia

83.0000, 0.0000, 0.0000

## Achromatomaly

83.0990, -0.0488, 15.6992

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 83.3890, 0.3012, 43.5088 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(133, 58, 84)` looks like.

```
.text, #text, p{  
    color:rgb(133, 58, 84)  
}
```

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(133, 58, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 58, 84) }
```

## Border

The CSS property to change the border of an element to YUV 83.3890, 0.3012, 43.5088 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(133, 58, 84) }
```



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

```
.border{ border-color:rgb(133, 58, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 58, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 58, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 58, 84);  
box-shadow:4px 4px 4px 4px rgb(133, 58,  
84) }
```

# Background

The CSS property to change the background color of an element to YUV 83.3890, 0.3012, 43.5088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 58, 84) }
```

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

```
.background{ background-color: rgb(133, 58,  
84) }
```

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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