

# Converting Colors

YUV(86.3850, 22.9812, 2.2934)

Have a look what the booklet for  
YUV(86.3850, 22.9812, 2.2934)  
contains.

<b>YUV(86.3850, 22.9812, 2.2934)</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(86.3850, 22.9812,  
2.2934)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	594C85
RGB	89, 76, 133
RGB Percent	35%, 30%, 52%
CMY	0.6510, 0.7020, 0.4784
CMYK	0.33, 0.43, 0.00, 0.48
HSL	254°, 27%, 41%
HSV	254°, 43%, 52%
XYZ	10.9379, 8.9862, 23.3483
YIQ	86.3850, -10.5490, 20.4830

# Conversions

## Conversions Part 2

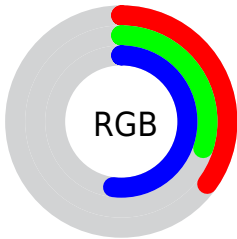
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	89, 76, 133
Decimal	5852293
CIE <sub>Lab</sub>	35.96, 19.25, -30.13
CIE <sub>LCh</sub>	36, 35.751, 302.573
Yxy	8.9862, 0.2528, 0.2077
Android (android.graphics.Color)	4284042373 (0xFF594C85)
YUV	86.3850, 22.9812, 2.2934
Hunter-Lab	29.9770, 12.6708, -25.1956

# Details

The YUV color **86.3850, 22.9812, 2.2934** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **122.6150, -22.9812, -2.2934**, and the grayscale version is **86.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **136.7380, 24.2862, 3.7378**, and **40.2060, 21.0974, -0.1807** is the 20% darker color. If you saturate the color by 10%, you get **75.7640, 28.2173, 2.8380**, and if you desaturate by 10%, it is **97.0060, 17.7450, 1.7487**.

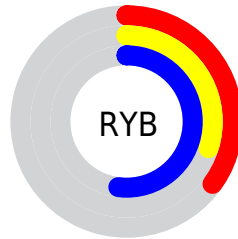
# Distribution



Red (35%)

Green (30%)

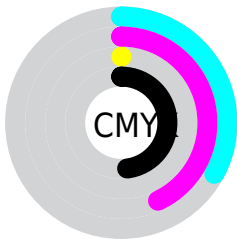
Blue (52%)



Red (35%)

Yellow (30%)

Blue (52%)

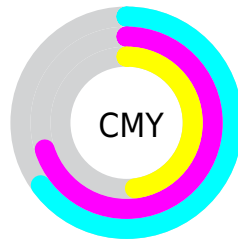


Cyan (33%)

Magenta (43%)

Yellow (0%)

Black (48%)



Cyan (65%)

Magenta (70%)

Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 86.3850, 22.9812, 2.2934 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 86.3850, 22.9812, 2.2934 by changing the saturation by 10% instead.



■ 86.3850, 22.9812,  
2.2934

■ 86.3850, 22.9812,  
2.2934

■ 255.0000, 0.0000,  
0.0000

■ 62.5590, 22.4024,  
1.2638

■ 136.7380, 24.2862,  
3.7378

■ 40.2060, 21.0974,  
-0.1807

■ 163.2650, 25.0124,  
4.1526

■ 17.7820, 20.8135,  
-2.4398

■ 190.4930, 25.8860,  
3.9526

■ 4.8050, 15.8721,  
-4.2140

■ 216.3810, 19.0392,  
6.6819

■ 2.1830, 5.8258,  
-1.9145

■ 241.1890, 6.8088,  
9.4812

■ 0.0000, 0.0000,  
0.0000

86.3850, 22.9812,  
2.2934

86.3850, 22.9812,  
2.2934

75.7640, 28.2173,  
2.8380

97.0060, 17.7450,  
1.7487

64.2570, 33.8903,  
3.2826

108.5130, 12.0721,  
1.3041

53.6360, 39.1265,  
3.8272

119.1340, 6.8359,  
0.7595

43.0150, 44.3626,  
4.3718

129.7550, 1.5998,  
0.2149

31.8070, 49.8881,  
5.4313

140.9630, -3.9258,  
-0.8446


24.1320, 53.6719,  
5.1462

151.8830, -9.3093,  
-0.7744

162.5040,  
-14.5455, -1.3190

173.1250,

-19.7816, -1.8636

 184.3330,  
-25.3072, -2.9230

# Harmonies

## Analogous

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



75.3300, 32.8683, -42.3854



86.3850, 22.9812, 2.2934



86.9880, 11.8379, 29.8285

# Triad

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



86.3850, 22.9812, 2.2934



82.7920, -24.5475, 33.5084



67.9170, 8.9149, -59.5632

# Complementary

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



86.3850, 22.9812, 2.2934



122.6150, -22.9812, -2.2934

# 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.



71.2110, -7.0060, -39.6500



86.3850, 22.9812, 2.2934



81.2320, -28.7084, 14.7055

# Square

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



86.3850, 22.9812, 2.2934



83.6160, -14.1077, 45.0638



78.3970, -22.3807, -8.2412



70.6360, 21.8715, -61.9478



# Rectangle

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



86.3850, 22.9812, 2.2934



85.5890, 3.6536, 41.5794



78.3970, -22.3807, -8.2412



66.1900, 4.8363, -58.0486

# Sweetspot

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



86.3850, 22.9812, 2.2934



155.0030, 8.8725, 0.8744



108.9130, 11.8749, -28.8647



75.4930, 5.6730, 0.4446



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.



86.3850, 22.9812, 2.2934



101.0120, 35.4901, 3.4975



94.7570, 18.8538, 19.5071



60.9830, 2.4734, 0.0149



23.7900, 52.3615, 5.4462



0.6410, 1.1630, 0.3148



# Inverse Universe

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



98.0590, 10.8169, 30.6433



119.0640, 16.7304, 47.3019



114.2430, -18.8538, -19.5071



62.3640, 1.2995, 3.1888



50.2700, 24.5169, 69.9232



1.1250, 0.4314, 1.6444



# Previews

## White Background



This preview shows how the YUV color 86.3850, 22.9812, 2.2934 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 86.3850, 22.9812, 2.2934 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

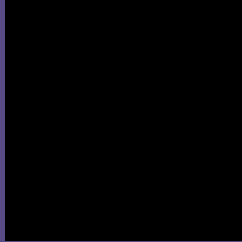
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 86.3850, 22.9812, 2.2934

## Background



This preview shows how black text looks on a background with the YUV color 86.3850, 22.9812, 2.2934.



This preview shows how white text looks on a background with the YUV color 86.3850, 22.9812,



# 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

86.3850, 22.9812, 2.2934

### Protanopia

83.1050, 27.5562, -18.5091

### Deuteranopia

83.0680, 23.6305, -19.3536



## Tritanopia

84.3030, 3.7946, -3.7737

# Trichromacy



## Original Color

86.3850, 22.9812, 2.2934

## Protanomaly

84.1060, 26.0767, -10.6170

## Deuteranomaly

84.4110, 23.4614, -11.7614

## Tritanomaly

85.1490, 10.7725, -1.8847

# Monochromacy



## Original Color

86.3850, 22.9812, 2.2934

## Achromatopsia

86.0000, 0.0000, 0.0000

## Achromatomaly

85.8890, 8.4357, 0.9743

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 86.3850, 22.9812, 2.2934 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, 76, 133)` looks like.

```
.text, #text, p{  
    color:rgb(89, 76, 133)  
}
```

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, 76, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 76, 133) }
```

## Border

The CSS property to change the border of an element to YUV 86.3850, 22.9812, 2.2934 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, 76, 133) }
```



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

```
.border{ border-color:rgb(89, 76, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 76, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 76, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 76, 133);  
box-shadow:4px 4px 4px 4px rgb(89, 76,  
133) }
```

# Background

The CSS property to change the background color of an element to YUV 86.3850, 22.9812, 2.2934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 76, 133) }
```

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

```
.background{ background-color: rgb(89, 76,  
133) }
```

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