

# Converting Colors

YUV(83.4970, 33.2790, 12.7191)

Have a look what the booklet for  
YUV(83.4970, 33.2790, 12.7191)  
contains.

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# Color

**YUV(83.4970, 33.2790,  
12.7191)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	623F97
RGB	98, 63, 151
RGB Percent	38%, 25%, 59%
CMY	0.6157, 0.7529, 0.4078
CMYK	0.35, 0.58, 0.00, 0.41
HSL	264°, 41%, 42%
HSV	264°, 58%, 59%
XYZ	12.4004, 8.3860, 30.2433
YIQ	83.4970, -7.3880, 34.7880

# Conversions

## Conversions Part 2

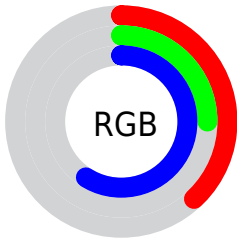
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	98, 63, 151
Decimal	6438807
CIE <sub>Lab</sub>	34.77, 34.74, -42.95
CIE <sub>LCh</sub>	35, 55.240, 308.965
Yxy	8.3860, 0.2430, 0.1643
Android (android.graphics.Color)	4284628887 (0xFF623F97)
YUV	83.4970, 33.2790, 12.7191
Hunter-Lab	28.9587, 25.7580, -41.6490

# Details

The YUV color **83.4970, 33.2790, 12.7191** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **130.5030, -33.2790, -12.7191**, and the grayscale version is **83.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **134.6760, 35.1627, 15.1931**, and **35.0190, 31.5426, 9.6303** is the 20% darker color. If you saturate the color by 10%, you get **72.0010, 38.9465, 14.9081**, and if you desaturate by 10%, it is **94.9930, 27.6115, 10.5301**.

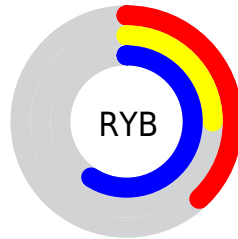
# Distribution



Red (38%)

Green (25%)

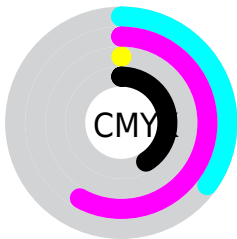
Blue (59%)



Red (38%)

Yellow (25%)

Blue (59%)

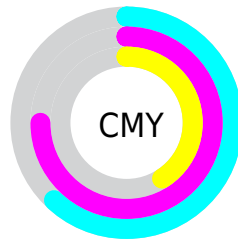


Cyan (35%)

Magenta (58%)

Yellow (0%)

Black (41%)



Cyan (62%)

Magenta (75%)

Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 83.4970, 33.2790, 12.7191 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 83.4970, 33.2790, 12.7191 by changing the saturation by 10% instead.



83.4970, 33.2790,  
12.7191

83.4970, 33.2790,  
12.7191

255.0000, 0.0000,  
0.0000

59.2580, 32.4108,  
11.1747

134.6760, 35.1627,  
15.1931

35.0190, 31.5426,  
9.6303

161.5020, 35.7415,  
16.2227

13.9320, 30.1065,  
3.5676

188.1170, 32.9733,  
17.4374

5.8140, 22.2767,  
-5.0989

212.6370, 20.8850,  
21.3664

4.4800, 12.0884,  
-3.9290

234.4550, 10.1287,  
18.0180

0.0000, 0.0000,  
0.0000

251.4780, 1.7363,

3.0888

■ 83.4970, 33.2790,  
12.7191

■ 83.4970, 33.2790,  
12.7191

■ 72.0010, 38.9465,  
14.9081

■ 94.9930, 27.6115,  
10.5301

■ 60.5050, 44.6140,  
17.0971

■ 106.4890, 21.9439,  
8.3411

■ 49.0090, 50.2816,  
19.2861

■ 117.9850, 16.2764,  
6.1522

■ 37.5130, 55.9491,  
21.4751

■ 129.4810, 10.6089,  
3.9632

■ 35.1540, 57.1121,  
21.7899

■ 141.5640, 4.6519,  
1.2594

■ 153.3590, -1.1630,  
-0.3148

■ 164.8550, -6.8305,  
-2.5038

■ 176.3510,  
-12.4980, -4.6928

■ 187.8470,  
-18.1656, -6.8818

# Harmonies

## Analogous

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



68.1010, 50.2362, -59.7246



83.4970, 33.2790, 12.7191



77.4720, 18.0083, 57.4681

# Triad

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



83.4970, 33.2790, 12.7191



76.9920, -37.9571, 41.2260



70.0030, 11.8305, -61.3926

# Complementary

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



83.4970, 33.2790, 12.7191



130.5030, -33.2790, -12.7191

# 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.



63.5850, -7.6834, -55.7640



83.4970, 33.2790, 12.7191



75.6200, -37.2807, 10.8573

# Square

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



83.4970, 33.2790, 12.7191



74.4570, -22.9033, 66.2512



66.2410, -32.6568, -25.6444



74.3180, 30.9022, -65.1769



# Rectangle

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



83.4970, 33.2790, 12.7191



71.0090, 6.8976, 74.5371



66.2410, -32.6568, -25.6444



67.7060, 5.5679, -59.3782

# Sweetspot

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



83.4970, 33.2790, 12.7191



170.6490, 12.4980, 4.6928



104.7300, 22.8111, -36.5972



84.2590, 7.2673, 2.4039



227.0000, 0.0000, 0.0000



99.0000, 0.0000, 0.0000



# Same Dimension

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



83.4970, 33.2790, 12.7191



91.0630, 51.7339, 20.1157



96.3540, 26.9405, 39.1545



70.8090, 3.0522, 1.0445



32.7040, 52.8969, 20.4306



2.9770, 4.9413, 1.7742



# Inverse Universe

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



95.3540, 10.1785, 48.8015



109.4250, 16.0595, 75.9263



117.6460, -26.9405, -39.1545



71.8480, 0.5679, 4.5183



51.4360, 16.0541, 77.6706

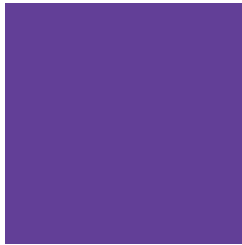


4.7990, 1.5781, 7.1923



# Previews

## White Background



This preview shows how the YUV color 83.4970, 33.2790, 12.7191 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 83.4970, 33.2790, 12.7191 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

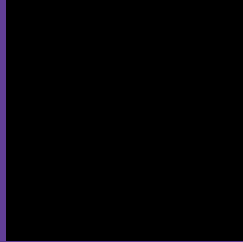
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 83.4970, 33.2790, 12.7191

## Background



This preview shows how black text looks on a background with the YUV color 83.4970, 33.2790, 12.7191.



This preview shows how white text looks on a background with the YUV color 83.4970, 33.2790,



# 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

83.4970, 33.2790, 12.7191

### Protanopia

67.3190, 49.6357, -53.7768

### Deuteranopia

71.1600, 37.3891, -45.7443



## Tritanopia

82.2930, 2.3206, 2.3740

# Trichromacy



## Original Color

83.4970, 33.2790, 12.7191

## Protanomaly

72.9800, 43.8869, -29.8005

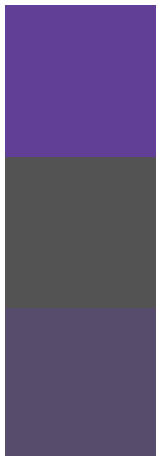
## Deuteranomaly

75.8360, 35.5769, -24.4122

## Tritanomaly

82.8880, 13.3662, 6.2372

# Monochromacy



## Original Color

83.4970, 33.2790, 12.7191

## Achromatopsia

83.0000, 0.0000, 0.0000

## Achromatomaly

83.2360, 12.2087, 4.1780

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 83.4970, 33.2790, 12.7191 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(98, 63, 151)` looks like.

```
.text, #text, p{  
    color:rgb(98, 63, 151)  
}
```

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(98, 63, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 63, 151) }
```

## Border

The CSS property to change the border of an element to YUV 83.4970, 33.2790, 12.7191 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(98, 63, 151) }
```



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

```
.border{ border-color:rgb(98, 63, 151) }
```

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

Here you see how a box with a 4 pixel rgb(98, 63, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 63, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 63, 151);  
box-shadow:4px 4px 4px 4px rgb(98, 63,  
151) }
```

# Background

The CSS property to change the background color of an element to YUV 83.4970, 33.2790, 12.7191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 63, 151) }
```

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

```
.background{ background-color: rgb(98, 63,  
151) }
```

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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