

# Converting Colors

YUV(85.3990, 31.8483, 4.9121)

Have a look what the booklet for  
YUV(85.3990, 31.8483, 4.9121)  
contains.

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# Color

**YUV(85.3990, 31.8483,  
4.9121)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5B4696
RGB	91, 70, 150
RGB Percent	36%, 27%, 59%
CMY	0.6431, 0.7255, 0.4118
CMYK	0.39, 0.53, 0.00, 0.41
HSL	256°, 36%, 43%
HSV	256°, 53%, 59%
XYZ	12.0096, 8.8065, 29.9210
YIQ	85.3990, -13.1640, 29.3320

# Conversions

## Conversions Part 2

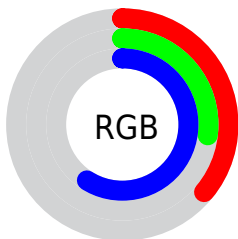
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	91, 70, 150
Decimal	5981846
CIE <sub>Lab</sub>	35.61, 28.45, -41.05
CIE <sub>LCh</sub>	36, 49.940, 304.723
Yxy	8.8065, 0.2367, 0.1736
Android (android.graphics.Color)	4284171926 (0xFF5B4696)
YUV	85.3990, 31.8483, 4.9121
Hunter-Lab	29.6757, 20.3053, -39.0071

# Details

The YUV color **85.3990, 31.8483, 4.9121** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **134.6010, -31.8483, -4.9121**, and the grayscale version is **85.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **136.2790, 33.8795, 6.7713**, and **37.2090, 29.9700, 0.6937** is the 20% darker color. If you saturate the color by 10%, you get **73.3050, 37.8106, 5.8715**, and if you desaturate by 10%, it is **97.4930, 25.8860, 3.9526**.

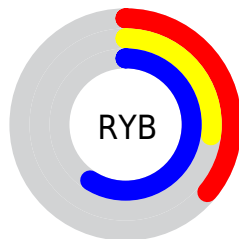
# Distribution



Red (36%)

Green (27%)

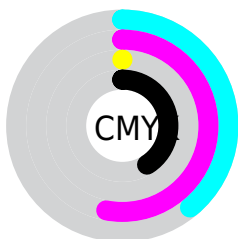
Blue (59%)



Red (36%)

Yellow (27%)

Blue (59%)

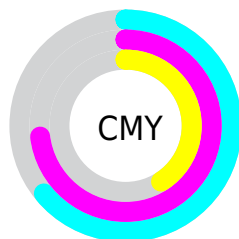


Cyan (39%)

Magenta (53%)

Yellow (0%)

Black (41%)



Cyan (64%)

Magenta (73%)

Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 85.3990, 31.8483, 4.9121 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 85.3990, 31.8483, 4.9121 by changing the saturation by 10% instead.



85.3990, 31.8483,  
4.9121

85.3990, 31.8483,  
4.9121

255.0000, 0.0000,  
0.0000

61.1600, 30.9801,  
3.3677

136.2790, 33.8795,  
6.7713

37.2090, 29.9700,  
0.6937

163.1050, 34.4582,  
7.8009

12.8770, 30.1336,  
-5.1541

189.2470, 32.4162,  
9.4304

5.8140, 22.2767,  
-5.0989

214.3540, 20.0385,  
12.8445

4.4800, 12.0884,  
-3.9290

238.5640, 8.1029,  
14.4144

0.0000, 0.0000,  
0.0000

85.3990, 31.8483,  
4.9121

85.3990, 31.8483,  
4.9121

73.3050, 37.8106,  
5.8715

97.4930, 25.8860,  
3.9526

61.2110, 43.7730,  
6.8310

109.5870, 19.9236,  
2.9932

49.1170, 49.7353,  
7.7904

121.6810, 13.9613,  
2.0338

37.0230, 55.6977,  
8.7498

133.7750, 7.9989,  
1.0743

28.7610, 59.7708,  
8.9796

145.8690, 2.0366,  
0.1149

157.9630, -3.9258,  
-0.8446

170.0570, -9.8881,  
-1.8040

182.1510,

-15.8504, -2.7634

 194.5440,  
-21.9602, -3.1081

# Harmonies

## Analogous

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



69.7650, 46.4579, -61.1839



85.3990, 31.8483, 4.9121



83.5800, 17.4621, 45.9723

# Triad

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



85.3990, 31.8483, 4.9121



78.8890, -38.3993, 43.0703



70.0200, 9.3571, -61.4075

# Complementary

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



85.3990, 31.8483, 4.9121



134.6010, -31.8483, -4.9121

# 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.



63.4710, -8.1202, -55.6641



85.3990, 31.8483, 4.9121



78.0120, -38.4599, 15.7755

# Square

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



85.3990, 31.8483, 4.9121



78.5750, -18.5245, 61.7627



71.6660, -33.8523, -15.4931



73.8790, 26.6817, -64.7919



# Rectangle

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



85.3990, 31.8483, 4.9121



78.9320, 6.9355, 62.3266



71.6660, -33.8523, -15.4931



67.8370, 3.5314, -59.4930

# Sweetspot

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



85.3990, 31.8483, 4.9121



168.9260, 12.3615, 1.8189



114.3400, 17.5804, -38.8862



81.6610, 7.5621, 1.1743



224.0000, 0.0000, 0.0000



97.0000, 0.0000, 0.0000



# Same Dimension

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



85.3990, 31.8483, 4.9121



93.7040, 49.4459, 7.2756



97.0600, 26.0994, 28.8884



68.0970, 2.9102, -0.0851



26.4960, 54.9715, 8.3350



2.0370, 3.9258, 0.8446



# Inverse Universe

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



100.6460, 13.9785, 43.2835



117.4500, 21.4701, 67.1343



122.9400, -26.0994, -28.8884



69.6630, 1.1521, 3.8035



52.8900, 24.2112, 74.6415



3.9020, 2.0203, 5.3479



# Previews

## White Background



This preview shows how the YUV color 85.3990, 31.8483, 4.9121 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 85.3990, 31.8483, 4.9121 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

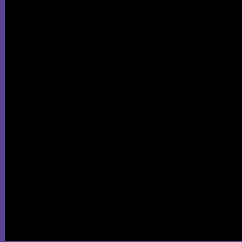
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 85.3990, 31.8483, 4.9121

## Background



This preview shows how black text looks on a background with the YUV color 85.3990, 31.8483, 4.9121.



This preview shows how white text looks on a background with the YUV color 85.3990, 31.8483,



# 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

85.3990, 31.8483, 4.9121

### Protanopia

77.0780, 41.8665, -35.1484

### Deuteranopia

75.9220, 35.0415, -39.3966



## Tritanopia

83.7050, 4.0894, -5.0033

# Trichromacy



## Original Color

85.3990, 31.8483, 4.9121

## Protanomaly

80.2540, 38.3288, -20.3938

## Deuteranomaly

79.6790, 33.6823, -23.3975

## Tritanomaly

84.6590, 13.9721, -1.4549

# Monochromacy



## Original Color

85.3990, 31.8483, 4.9121

## Achromatopsia

85.0000, 0.0000, 0.0000

## Achromatomaly

85.3990, 11.6353, 1.4041

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 85.3990, 31.8483, 4.9121 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(91, 70, 150)` looks like.

```
.text, #text, p{  
    color:rgb(91, 70, 150)  
}
```

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(91, 70, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 70, 150) }
```

## Border

The CSS property to change the border of an element to YUV 85.3990, 31.8483, 4.9121 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(91, 70, 150) }
```



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

```
.border{ border-color:rgb(91, 70, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 70, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 70, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 70, 150);  
box-shadow:4px 4px 4px 4px rgb(91, 70,  
150) }
```

# Background

The CSS property to change the background color of an element to YUV 85.3990, 31.8483, 4.9121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 70, 150) }
```

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

```
.background{ background-color: rgb(91, 70,  
150) }
```

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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