

# Converting Colors

YUV(81.7000, 25.2909, 8.1561)

Have a look what the booklet for  
YUV(81.7000, 25.2909, 8.1561)  
contains.

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# Color

**YUV(81.7000, 25.2909,  
8.1561)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5B4385
RGB	91, 67, 133
RGB Percent	36%, 26%, 52%
CMY	0.6431, 0.7373, 0.4784
CMYK	0.32, 0.50, 0.00, 0.48
HSL	262°, 33%, 39%
HSV	262°, 50%, 52%
XYZ	10.5552, 7.9319, 23.1650
YIQ	81.7000, -6.8820, 25.6140

# Conversions

## Conversions Part 2

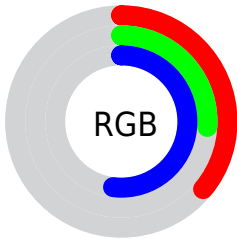
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	91, 67, 133
Decimal	5981061
CIE <sub>Lab</sub>	33.84, 25.50, -33.46
CIE <sub>LCh</sub>	34, 42.073, 307.311
Yxy	7.9319, 0.2534, 0.1904
Android (android.graphics.Color)	4284171141 (0xFF5B4385)
YUV	81.7000, 25.2909, 8.1561
Hunter-Lab	28.1636, 17.6119, -29.0523

# Details

The YUV color **81.7000, 25.2909, 8.1561** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **118.3000, -25.2909, -8.1561**, and the grayscale version is **81.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **132.1670, 27.0327, 9.5005**, and **35.2220, 23.5546, 5.0673** is the 20% darker color. If you saturate the color by 10%, you get **71.6770, 30.2322, 9.9303**, and if you desaturate by 10%, it is **91.7230, 20.3496, 6.3819**.

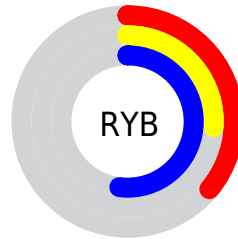
# Distribution



Red (36%)

Green (26%)

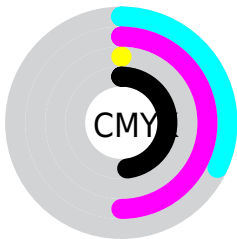
Blue (52%)



Red (36%)

Yellow (26%)

Blue (52%)

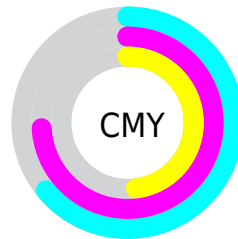


Cyan (32%)

Magenta (50%)

Yellow (0%)

Black (48%)



Cyan (64%)

Magenta (74%)

Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 81.7000, 25.2909, 8.1561 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 81.7000, 25.2909, 8.1561 by changing the saturation by 10% instead.



81.7000, 25.2909,  
8.1561

81.7000, 25.2909,  
8.1561

255.0000, 0.0000,  
0.0000

57.7600, 24.2753,  
7.2265

132.1670, 27.0327,  
9.5005

35.2220, 23.5546,  
5.0673

157.9930, 27.6115,  
10.5301

12.1080, 23.1178,  
5.1673

185.5200, 28.3376,  
10.9450

5.3920, 15.5827,  
-4.7288

211.1090, 21.6383,  
13.0594

2.0690, 5.3890,  
-1.8145

236.2160, 9.2605,  
16.4736

0.0000, 0.0000,  
0.0000

253.2390, 0.8682,

1.5444

■ 81.7000, 25.2909,  
8.1561

■ 81.7000, 25.2909,  
8.1561

■ 71.6770, 30.2322,  
9.9303

■ 91.7230, 20.3496,  
6.3819

■ 60.7680, 35.6104,  
11.6045

■ 102.6320, 14.9714,  
4.7077

■ 50.7450, 40.5517,  
13.3786

■ 112.6550, 10.0301,  
2.9336

■ 40.4230, 45.6405,  
14.5380

■ 122.9770, 4.9413,  
1.7742

■ 30.4000, 50.5818,  
16.3122

■ 133.5870, -0.2894,  
-0.5148

■ 29.5140, 51.0186,  
16.2122

■ 143.9090, -5.3781,  
-1.6742

■ 153.9320,  
-10.3195, -3.4484

■ 164.2540,  
-15.4082, -4.6078

■ 174.8640,  
-20.6390, -6.8967

# Harmonies

## Analogous

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



64.1910, 40.3318, -56.2955



81.7000, 25.2909, 8.1561



80.2820, 12.6790, 40.0947

# Triad

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



81.7000, 25.2909, 8.1561



76.0820, -31.0994, 35.0081



65.6830, 10.5093, -57.6040

# Complementary

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



81.7000, 25.2909, 8.1561



118.3000, -25.2909, -8.1561

# 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.



60.5190, -4.1999, -53.0752



81.7000, 25.2909, 8.1561



73.8590, -36.4125, 12.4017

# Square

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



81.7000, 25.2909, 8.1561



76.4380, -17.4709, 50.4819



70.4840, -24.3956, -15.3335



68.7440, 24.7762, -60.2885



# Rectangle

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



81.7000, 25.2909, 8.1561



77.5410, 3.1843, 52.1455



70.4840, -24.3956, -15.3335



64.3150, 5.2677, -56.4043

# Sweetspot

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



81.7000, 25.2909, 8.1561



152.9540, 9.8827, 3.5483



99.7650, 16.3849, -28.7349



74.6180, 6.1043, 2.0890



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.



81.7000, 25.2909, 8.1561



92.2180, 39.8255, 12.9638



91.2680, 20.5739, 27.8290



61.2820, 2.3260, 0.6297



28.8730, 49.8556, 15.8974



0.6410, 1.1630, 0.3148



# Inverse Universe

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



91.5220, 8.6167, 36.3762



107.7340, 13.9351, 57.2383



108.7320, -20.5739, -27.8290



62.2500, 0.8628, 3.2888



48.3320, 17.0913, 71.6228



1.1250, 0.4314, 1.6444



# Previews

## White Background



This preview shows how the YUV color 81.7000, 25.2909, 8.1561 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 81.7000, 25.2909, 8.1561 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

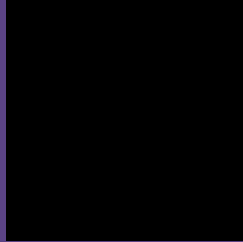
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 81.7000, 25.2909, 8.1561

## Background



This preview shows how black text looks on a background with the YUV color 81.7000, 25.2909, 8.1561.



This preview shows how white text looks on a background with the YUV color 81.7000, 25.2909,



# 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

81.7000, 25.2909, 8.1561

### Protanopia

76.4400, 32.8141, -24.9419

### Deuteranopia

76.4310, 26.4095, -24.0570



## Tritanopia

80.2820, 2.3260, 0.6297

# Trichromacy



## Original Color

81.7000, 25.2909, 8.1561

## Protanomaly

78.4200, 29.8659, -12.6463

## Deuteranomaly

78.0950, 26.0822, -12.3613

## Tritanomaly

81.0680, 10.3195, 3.4484

# Monochromacy



## Original Color

81.7000, 25.2909, 8.1561

## Achromatopsia

82.0000, 0.0000, 0.0000

## Achromatomaly

82.1280, 9.3039, 2.5187

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 81.7000, 25.2909, 8.1561 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, 67, 133)` looks like.

```
.text, #text, p{  
    color:rgb(91, 67, 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(91, 67, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 67, 133) }
```

## Border

The CSS property to change the border of an element to YUV 81.7000, 25.2909, 8.1561 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, 67, 133) }
```



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

```
.border{ border-color:rgb(91, 67, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 67, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 67, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 67, 133);  
box-shadow:4px 4px 4px 4px rgb(91, 67,  
133) }
```

# Background

The CSS property to change the background color of an element to YUV 81.7000, 25.2909, 8.1561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 67, 133) }
```

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

```
.background{ background-color: rgb(91, 67,  
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](#).

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