

# Converting Colors

YUV(84.3780, 30.3796, 9.3155)

Have a look what the booklet for  
YUV(84.3780, 30.3796, 9.3155)  
contains.

<b>YUV(84.3780, 30.3796, 9.3155)</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(84.3780, 30.3796,  
9.3155)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5F4392
RGB	95, 67, 146
RGB Percent	37%, 26%, 57%
CMY	0.6275, 0.7373, 0.4275
CMYK	0.35, 0.54, 0.00, 0.43
HSL	261°, 37%, 42%
HSV	261°, 54%, 57%
XYZ	11.9148, 8.5225, 28.2112
YIQ	84.3780, -8.6710, 30.5050

# Conversions

## Conversions Part 2

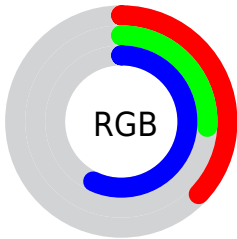
<b>Format</b>	<b>Color</b>
<b>RYB</b>	95, 67, 146
Decimal	6243218
CIELab	35.05, 30.20, -39.49
CIElCh	35, 49.714, 307.410
Yxy	8.5225, 0.2449, 0.1752
Android (android.graphics.Color)	4284433298 (0xFF5F4392)
YUV	84.3780, 30.3796, 9.3155
Hunter-Lab	29.1934, 21.7633, -36.8598

# Details

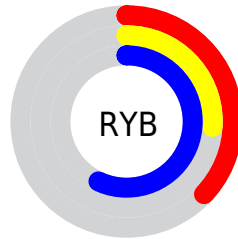
The YUV color **84.3780, 30.3796, 9.3155** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **128.6220, -30.3796, -9.3155**, and the grayscale version is **84.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **135.1440, 31.9740, 11.2747**, and **36.6010, 28.7907, 5.6119** is the 20% darker color. If you saturate the color by 10%, you get **72.8820, 36.0472, 11.5045**, and if you desaturate by 10%, it is **95.8740, 24.7121, 7.1265**.

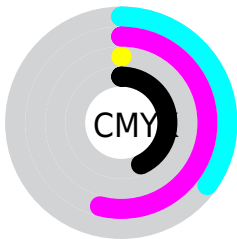
# Distribution



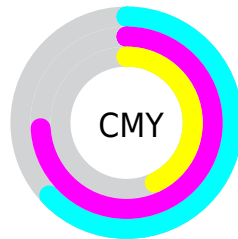
- Red (37%)
- Green (26%)
- Blue (57%)



- Red (37%)
- Yellow (26%)
- Blue (57%)



- Cyan (35%)
- Magenta (54%)
- Yellow (0%)
- Black (43%)



- Cyan (63%)
- Magenta (74%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 84.3780, 30.3796, 9.3155 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 84.3780, 30.3796, 9.3155 by changing the saturation by 10% instead.



84.3780, 30.3796,  
9.3155

84.3780, 30.3796,  
9.3155

255.0000, 0.0000,  
0.0000

60.1390, 29.5115,  
7.7711

135.1440, 31.9740,  
11.2747

36.6010, 28.7907,  
5.6119

162.0840, 32.9896,  
12.2043

13.1770, 28.5067,  
3.3528

188.6820, 32.6948,  
13.4339

5.3580, 20.5295,  
-4.6990

213.7890, 20.3170,  
16.8480

3.5510, 11.0674,  
-3.1142

236.8030, 8.9711,  
15.9588

0.0000, 0.0000,  
0.0000

253.8260, 0.5788,

1.0296

■ 84.3780, 30.3796,  
9.3155

■ 84.3780, 30.3796,  
9.3155

■ 72.8820, 36.0472,  
11.5045

■ 95.8740, 24.7121,  
7.1265

■ 61.6740, 41.5727,  
12.5639

■ 107.0820, 19.1866,  
6.0671

■ 50.1780, 47.2402,  
14.7529

■ 118.5780, 13.5190,  
3.8781

■ 38.9700, 52.7658,  
15.8123

■ 129.7860, 7.9935,  
2.8187

■ 32.1920, 56.1073,  
17.3716

■ 141.2820, 2.3260,  
0.6297

■ 153.0770, -3.4890,  
-0.9445

■ 163.9860, -8.8671,  
-2.6187

■ 175.4820,  
-14.5346, -4.8077

■ 186.6900,  
-20.0602, -5.8671

# Harmonies

## Analogous

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



67.7760, 46.4524, -59.4396



84.3780, 30.3796, 9.3155



81.5480, 15.9988, 48.6314

# Triad

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



84.3780, 30.3796, 9.3155



77.5790, -38.2464, 40.7112



69.1880, 11.2463, -60.6779

# Complementary

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



84.3780, 30.3796, 9.3155



128.6220, -30.3796, -9.3155

# 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.



63.2260, -6.5204, -55.4492



84.3780, 30.3796, 9.3155



76.5170, -37.7229, 12.7016

# Square

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



84.3780, 30.3796, 9.3155



77.1080, -20.2662, 60.4183



69.6270, -31.3681, -18.9669



72.9330, 28.1340, -63.9622



# Rectangle

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



84.3780, 30.3796, 9.3155



76.8890, 5.4777, 63.2413



69.6270, -31.3681, -18.9669



67.5920, 5.1311, -59.2782

# Sweetspot

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



84.3780, 30.3796, 9.3155



165.4100, 11.6299, 3.1484



105.9430, 19.7481, -34.1530



80.1450, 6.8305, 2.5038



222.0000, 0.0000, 0.0000



94.0000, 0.0000, 0.0000



# Same Dimension

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



84.3780, 30.3796, 9.3155



93.1780, 47.2402, 14.7529



96.0390, 24.6308, 33.2918



68.3960, 2.7628, 0.5297



30.3830, 53.0552, 16.3271



2.3360, 3.7784, 1.4593



# Inverse Universe

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



96.4350, 10.6315, 43.4685



111.7830, 16.3760, 67.7193



116.9610, -24.6308, -33.2918



69.5490, 0.7153, 3.9035



51.4080, 18.5329, 75.9412



3.7880, 1.5835, 5.4479



# Previews

## White Background



This preview shows how the YUV color 84.3780, 30.3796, 9.3155 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 84.3780, 30.3796, 9.3155 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

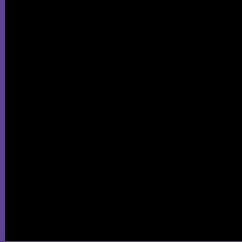
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 84.3780, 30.3796, 9.3155

## Background



This preview shows how black text looks on a background with the YUV color 84.3780, 30.3796, 9.3155.



This preview shows how white text looks on a background with the YUV color 84.3780, 30.3796,



# 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

84.3780, 30.3796, 9.3155

### Protanopia

76.1490, 40.8455, -34.3337

### Deuteranopia

76.2600, 32.4098, -35.3080



## Tritanopia

82.9830, 2.4734, 0.0149

# Trichromacy



## Original Color

84.3780, 30.3796, 9.3155

## Protanomaly

78.9230, 37.0130, -18.3495

## Deuteranomaly

79.1310, 31.4874, -19.4089

## Tritanomaly

83.6380, 12.5035, 2.9485

# Monochromacy



## Original Color

84.3780, 30.3796, 9.3155

## Achromatopsia

84.0000, 0.0000, 0.0000

## Achromatomaly

84.2960, 11.1931, 3.2484

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 84.3780, 30.3796, 9.3155 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(95, 67, 146)` looks like.

```
.text, #text, p{  
    color:rgb(95, 67, 146)  
}
```

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(95, 67, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 67, 146) }
```

## Border

The CSS property to change the border of an element to YUV 84.3780, 30.3796, 9.3155 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(95, 67, 146) }
```



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

```
.border{ border-color:rgb(95, 67, 146) }
```

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

Here you see how a box with a 4 pixel rgb(95, 67, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 67, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 67, 146);  
box-shadow:4px 4px 4px 4px rgb(95, 67,  
146) }
```

# Background

The CSS property to change the background color of an element to YUV 84.3780, 30.3796, 9.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 67, 146) }
```

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

```
.background{ background-color: rgb(95, 67,  
146) }
```

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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