

# Converting Colors

YUV(85.0520, 38.4284, 41.1734)

Have a look what the booklet for  
YUV(85.0520, 38.4284, 41.1734)  
contains.

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# Color

**YUV(85.0520, 38.4284,  
41.1734)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	842EA3
RGB	132, 46, 163
RGB Percent	52%, 18%, 64%
CMY	0.4824, 0.8196, 0.3608
CMYK	0.19, 0.72, 0.00, 0.36
HSL	284°, 56%, 41%
HSV	284°, 72%, 64%
XYZ	17.1036, 9.5039, 35.5833
YIQ	85.0520, 13.6990, 54.6190

# Conversions

## Conversions Part 2

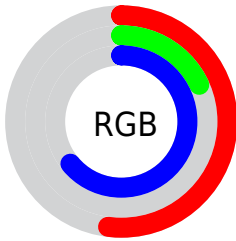
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">132, 46, 163</a>
Decimal	<a href="#">8662691</a>
CIELab	<a href="#">36.94, 54.11, -46.49</a>
CIELCh	<a href="#">37, 71.337, 319.330</a>
Yxy	<a href="#">9.5039, 0.2750, 0.1528</a>
Android (android.graphics.Color)	<a href="#">4286852771 (0xFF842EA3)</a>
YUV	<a href="#">85.0520, 38.4284, 41.1734</a>
Hunter-Lab	<a href="#">30.8283, 45.0823, -46.8550</a>

# Details

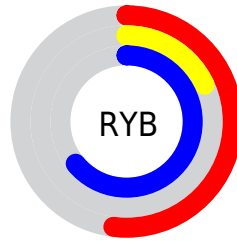
The YUV color **85.0520, 38.4284, 41.1734** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **123.9480, -38.4284, -41.1734**, and the grayscale version is **85.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.8780, 39.0071, 42.2030**, and **35.8620, 36.5500, 36.9550** is the 20% darker color. If you saturate the color by 10%, you get **74.4640, 43.6482, 46.9511**, and if you desaturate by 10%, it is **95.6400, 33.2085, 35.3957**.

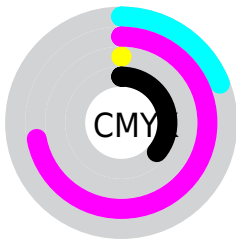
# Distribution



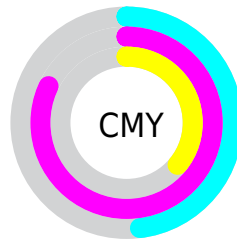
- Red (52%)
- Green (18%)
- Blue (64%)



- Red (52%)
- Yellow (18%)
- Blue (64%)



- Cyan (19%)
- Magenta (72%)
- Yellow (0%)
- Black (36%)



- Cyan (48%)
- Magenta (82%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 85.0520, 38.4284, 41.1734 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 85.0520, 38.4284, 41.1734 by changing the saturation by 10% instead.



85.0520, 38.4284,  
41.1734

85.0520, 38.4284,  
41.1734

255.0000, 0.0000,  
0.0000

55.1170, 39.8753,  
43.7474

139.8780, 39.0071,  
42.2030

35.8620, 36.5500,  
36.9550

167.0030, 39.4385,  
43.8474

24.9390, 29.6101,  
22.8555

193.3210, 30.4077,  
47.0765

14.7280, 22.8121,  
9.8855

212.1490, 21.1255,  
37.5803

6.0930, 15.7302,  
-5.3436

228.5850, 13.0226,  
23.1660

2.2970, 6.2626,  
-2.0145

245.6080, 4.6303,

0.0000, 0.0000,

8.2368

0.0000

■ 85.0520, 38.4284,  
41.1734

■ 85.0520, 38.4284,  
41.1734

■ 74.4640, 43.6482,  
46.9511

■ 95.6400, 33.2085,  
35.3957

■ 62.9900, 49.3049,  
52.6288

■ 107.1140, 27.5518,  
29.7180

■ 54.4620, 53.5092,  
57.4768

■ 117.7020, 22.3319,  
23.9403

■ 128.2900, 17.1120,  
18.1627

■ 139.1770, 11.7447,  
12.9998

■ 150.3520, 6.2355,  
6.7073

■ 160.9400, 1.0156,  
0.9296

■ 171.8270, -4.3517,  
-4.2333

■ 183.0020, -9.8610,  
-10.5258

# Harmonies

## Analogous

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



70.0050, 62.6085, -61.3944



85.0520, 38.4284, 41.1734



64.8650, 22.2516, 96.5884

# Triad

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



85.0520, 38.4284, 41.1734



82.2750, -40.5616, 36.5928



78.7060, 22.3299, -69.0252

# Complementary

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



85.0520, 38.4284, 41.1734



123.9480, -38.4284, -41.1734

# 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.



71.2790, -3.5885, -62.5117



85.0520, 38.4284, 41.1734



77.2930, -38.1054, -4.6420

# Square

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



85.0520, 38.4284, 41.1734



74.8530, -36.9025, 76.4279



61.6350, -30.3861, -54.0539



83.8190, 44.4592, -73.5093



# Rectangle

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



85.0520, 38.4284, 41.1734



62.9250, 4.4740, 105.3058



61.6350, -30.3861, -54.0539



76.4260, 13.5940, -67.0256

# Sweetspot

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



85.0520, 38.4284, 41.1734



180.5240, 15.5177, 16.2035



77.5350, 42.1342, -27.6562



88.4710, 9.1348, 10.1109



235.0000, 0.0000, 0.0000



107.0000, 0.0000, 0.0000



# Same Dimension

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



85.0520, 38.4284, 41.1734



90.5150, 59.8921, 63.5693



91.2430, 22.0652, 62.9309



75.8200, 3.0467, 2.7889



48.5230, 47.5632, 51.2843



5.9390, 5.9461, 6.1925



# Inverse Universe

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



84.5170, -3.7059, 68.8296



89.8900, -5.8618, 107.0905



117.7570, -22.0652, -62.9309



76.0330, -0.0163, 5.2331



47.8010, -4.3389, 85.2435

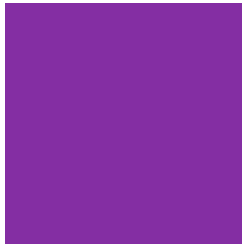


5.9520, -0.4693, 10.5661



# Previews

## White Background



This preview shows how the YUV color 85.0520, 38.4284, 41.1734 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

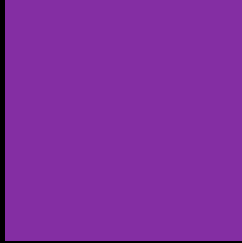
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 85.0520, 38.4284, 41.1734 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

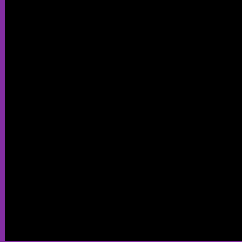
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 85.0520, 38.4284, 41.1734

## Background



This preview shows how black text looks on a background with the YUV color 85.0520, 38.4284, 41.1734.



This preview shows how white text looks on a background with the YUV color 85.0520, 38.4284,



# 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

85.0520, 38.4284, 41.1734

### Protanopia

70.3010, 53.5886, -61.6540

### Deuteranopia

77.6870, 38.1153, -45.3295



## Tritanopia

89.0250, -4.4493, 27.1651

# Trichromacy



## Original Color

85.0520, 38.4284, 41.1734

## Protanomaly

75.7510, 47.9438, -24.3376

## Deuteranomaly

80.2980, 38.3071, -13.4163

## Tritanomaly

87.1840, 11.2483, 32.2876

# Monochromacy



## Original Color

85.0520, 38.4284, 41.1734

## Achromatopsia

85.0000, 0.0000, 0.0000

## Achromatomaly

85.0570, 13.7759, 14.8590

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 85.0520, 38.4284, 41.1734 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(132, 46, 163)` looks like.

```
.text, #text, p{  
    color:rgb(132, 46, 163)  
}
```

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(132, 46, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 46, 163) }
```

## Border

The CSS property to change the border of an element to YUV 85.0520, 38.4284, 41.1734 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(132, 46, 163) }
```



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

```
.border{ border-color:rgb(132, 46, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 46, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 46, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 46, 163);  
box-shadow:4px 4px 4px 4px rgb(132, 46,  
163) }
```

# Background

The CSS property to change the background color of an element to YUV 85.0520, 38.4284, 41.1734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 46, 163) }
```

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

```
.background{ background-color: rgb(132, 46,  
163) }
```

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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