

# Converting Colors

YUV(88.5990, 38.6517, 16.1377)

Have a look what the booklet for  
YUV(88.5990, 38.6517, 16.1377)  
contains.

<b>YUV(88.5990, 38.6517, 16.1377)</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(88.5990, 38.6517,  
16.1377)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6B40A7
RGB	107, 64, 167
RGB Percent	42%, 25%, 65%
CMY	0.5804, 0.7490, 0.3451
CMYK	0.36, 0.62, 0.00, 0.35
HSL	265°, 45%, 45%
HSV	265°, 62%, 65%
XYZ	14.8719, 9.5826, 37.6250
YIQ	88.5990, -7.4350, 41.1490

# Conversions

## Conversions Part 2

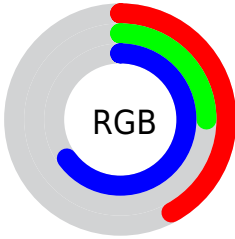
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	107, 64, 167
Decimal	7028903
CIE <sub>Lab</sub>	37.08, 40.63, -48.82
CIE <sub>LCh</sub>	37, 63.516, 309.762
Yxy	9.5826, 0.2396, 0.1544
Android (android.graphics.Color)	4285218983 (0xFF6B40A7)
YUV	88.5990, 38.6517, 16.1377
Hunter-Lab	30.9558, 31.5827, -50.3946

# Details

The YUV color **88.5990, 38.6517, 16.1377** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **142.4010, -38.6517, -16.1377**, and the grayscale version is **88.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **140.7780, 40.5354, 18.6117**, and **37.6480, 37.6415, 13.4637** is the 20% darker color. If you saturate the color by 10%, you get **75.6300, 45.0454, 18.7415**, and if you desaturate by 10%, it is **101.5680, 32.2580, 13.5339**.

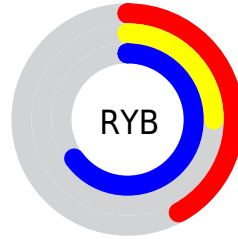
# Distribution



Red (42%)

Green (25%)

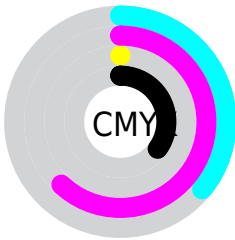
Blue (65%)



Red (42%)

Yellow (25%)

Blue (65%)

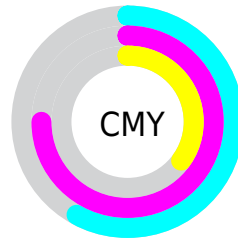


Cyan (36%)

Magenta (62%)

Yellow (0%)

Black (35%)



Cyan (58%)

Magenta (75%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 88.5990, 38.6517, 16.1377 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 88.5990, 38.6517, 16.1377 by changing the saturation by 10% instead.



88.5990, 38.6517,  
16.1377

88.5990, 38.6517,  
16.1377

255.0000, 0.0000,  
0.0000

63.3600, 37.7835,  
14.5933

140.7780, 40.5354,  
18.6117

37.6480, 37.6415,  
13.4637

167.7180, 41.5510,  
19.5413

17.0230, 35.4847,  
5.2418

192.5800, 30.7731,  
23.1703

7.4100, 28.3919,  
-6.4986

217.1000, 18.6847,  
27.0993

6.5490, 17.4773,  
-5.7435

236.2160, 9.2605,  
16.4736

2.8670, 8.4466,  
-2.5144

252.6520, 1.1576,

0.0000, 0.0000,

2.0592

0.0000

■ 88.5990, 38.6517,  
16.1377

■ 88.5990, 38.6517,  
16.1377

■ 75.6300, 45.0454,  
18.7415

■ 101.5680, 32.2580,  
13.5339

■ 63.5470, 51.0023,  
21.4453

■ 113.6510, 26.3011,  
10.8301

■ 50.5780, 57.3960,  
24.0491

■ 126.6200, 19.9073,  
8.2263

■ 39.9680, 62.6268,  
26.3381

■ 139.5890, 13.5136,  
5.6224

■ 151.9710, 7.4093,  
3.5334

■ 164.6410, 1.1630,  
0.3148

■ 177.6100, -5.2307,  
-2.2890

■ 190.5790,  
-11.6244, -4.8928

■ 202.9610,  
-17.7288, -6.9818

# Harmonies

## Analogous

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



73.9030, 57.2358, -64.8129



88.5990, 38.6517, 16.1377



78.1130, 22.6223, 70.9379

# Triad

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



88.5990, 38.6517, 16.1377



81.7430, -40.2993, 45.8294



75.7250, 13.4466, -66.4108

# Complementary

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



88.5990, 38.6517, 16.1377



142.4010, -38.6517, -16.1377

# 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.



68.3950, -9.5617, -59.9824



88.5990, 38.6517, 16.1377



80.9250, -39.8960, 9.7128

# Square

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



88.5990, 38.6517, 16.1377



76.3120, -26.2828, 76.9024



67.6590, -33.3559, -34.7809



80.7240, 35.1391, -70.7949



# Rectangle

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



88.5990, 38.6517, 16.1377



61.9870, 13.8104, 97.3584



67.6590, -33.3559, -34.7809



73.0860, 5.8736, -64.0964

# Sweetspot

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



88.5990, 38.6517, 16.1377



185.7570, 15.4028, 6.3521



110.9620, 27.6267, -41.1857



90.2530, 9.7353, 4.1631



237.0000, 0.0000, 0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

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



88.5990, 38.6517, 16.1377



94.3870, 60.4482, 25.0936



103.8480, 31.1339, 47.4913



77.8090, 3.0522, 1.0445



35.4100, 55.5069, 23.3194



4.9710, 7.4093, 3.5334



# Inverse Universe

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



101.6370, 11.0250, 57.3234



114.8550, 17.3265, 89.5812



127.1520, -31.1339, -47.4913



78.9620, 1.0047, 4.4183



54.0560, 15.7484, 82.3889



7.3480, 2.2934, 11.0958



# Previews

## White Background



This preview shows how the YUV color 88.5990, 38.6517, 16.1377 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 88.5990, 38.6517, 16.1377 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

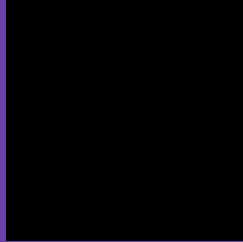
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 88.5990, 38.6517, 16.1377

## Background



This preview shows how black text looks on a background with the YUV color 88.5990, 38.6517, 16.1377.



This preview shows how white text looks on a background with the YUV color 88.5990, 38.6517,



# 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

88.5990, 38.6517, 16.1377

### Protanopia

69.7140, 53.8780, -61.1392

### Deuteranopia

70.1410, 42.8215, -61.5137



## Tritanopia

87.8910, 2.0257, 3.6036

# Trichromacy



## Original Color

88.5990, 38.6517, 16.1377



## Protanomaly

76.8100, 48.4077, -33.1594



## Deuteranomaly

76.9750, 41.4243, -33.3041



## Tritanomaly

87.7680, 15.3974, 8.0965

# Monochromacy



## Original Color

88.5990, 38.6517, 16.1377



## Achromatopsia

89.0000, 0.0000, 0.0000



## Achromatomaly

89.0020, 13.8030, 6.1372

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 88.5990, 38.6517, 16.1377 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(107, 64, 167)` looks like.

```
.text, #text, p{  
    color:rgb(107, 64, 167)  
}
```

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(107, 64, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 64, 167) }
```

## Border

The CSS property to change the border of an element to YUV 88.5990, 38.6517, 16.1377 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(107, 64, 167) }
```



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

```
.border{ border-color:rgb(107, 64, 167) }
```

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

Here you see how a box with a 4 pixel rgb(107, 64, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 64, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 64, 167);  
box-shadow:4px 4px 4px 4px rgb(107, 64,  
167) }
```

# Background

The CSS property to change the background color of an element to YUV 88.5990, 38.6517, 16.1377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 64, 167) }
```

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

```
.background{ background-color: rgb(107, 64,  
167) }
```

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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