

# Converting Colors

YUV(80.4660, 30.3363, 23.2703)

Have a look what the booklet for  
YUV(80.4660, 30.3363, 23.2703)  
contains.

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# Color

**YUV(80.4660, 30.3363,  
23.2703)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6B378E
RGB	107, 55, 142
RGB Percent	42%, 22%, 56%
CMY	0.5804, 0.7843, 0.4431
CMYK	0.25, 0.61, 0.00, 0.44
HSL	276°, 44%, 39%
HSV	276°, 61%, 56%
XYZ	12.3121, 7.8112, 26.4500
YIQ	80.4660, 3.0650, 38.0810

# Conversions

## Conversions Part 2

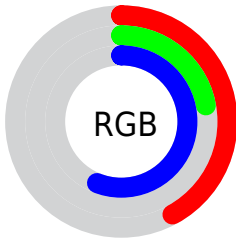
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	107, 55, 142
Decimal	7026574
CIE <sub>Lab</sub>	33.59, 39.25, -39.30
CIE <sub>LCh</sub>	34, 55.544, 314.968
Yxy	7.8112, 0.2644, 0.1677
Android (android.graphics.Color)	4285216654 (0xFF6B378E)
YUV	80.4660, 30.3363, 23.2703
Hunter-Lab	27.9485, 29.7244, -36.5472

# Details

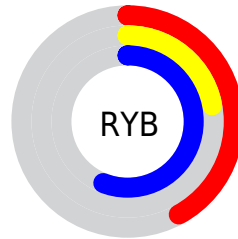
The YUV color **80.4660, 30.3363, 23.2703** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **116.5340, -30.3363, -23.2703**, and the grayscale version is **80.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **132.1180, 31.4938, 25.3295**, and **29.1670, 30.4837, 22.6555** is the 20% darker color. If you saturate the color by 10%, you get **70.4540, 35.2722, 26.7888**, and if you desaturate by 10%, it is **90.4780, 25.4003, 19.7518**.

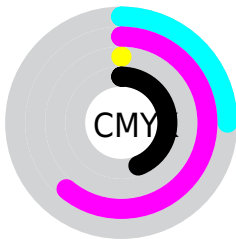
# Distribution



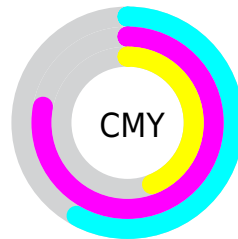
- Red (42%)
- Green (22%)
- Blue (56%)



- Red (42%)
- Yellow (22%)
- Blue (56%)



- Cyan (25%)
- Magenta (61%)
- Yellow (0%)
- Black (44%)



- Cyan (58%)
- Magenta (78%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 80.4660, 30.3363, 23.2703 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 80.4660, 30.3363, 23.2703 by changing the saturation by 10% instead.



80.4660, 30.3363,  
23.2703

80.4660, 30.3363,  
23.2703

255.0000, 0.0000,  
0.0000

55.6400, 29.7575,  
22.2407

132.1180, 31.4938,  
25.3295

29.1670, 30.4837,  
22.6555

158.9440, 32.0726,  
26.3591

16.9070, 24.6958,  
12.3596

185.8840, 33.0882,  
27.2887

5.0160, 19.2191,  
-4.3990

211.2190, 21.5840,  
30.5029

3.0950, 9.3202,  
-2.7143

230.3460, 12.1544,  
21.6216

0.0000, 0.0000,  
0.0000

246.7820, 4.0515,

7.2072

■ 80.4660, 30.3363,  
23.2703

■ 80.4660, 30.3363,  
23.2703

■ 70.4540, 35.2722,  
26.7888

■ 90.4780, 25.4003,  
19.7518

■ 60.7410, 40.0607,  
30.9221

■ 100.1910, 20.6118,  
15.6185

■ 50.1420, 45.2860,  
34.9555

■ 110.7900, 15.3865,  
11.5852

■ 41.6030, 49.4957,  
38.0592

■ 120.8020, 10.4506,  
8.0666

■ 130.8140, 5.5147,  
4.5481

■ 140.5270, 0.7262,  
0.4148

■ 150.5390, -4.2097,  
-3.1037

■ 161.1380, -9.4350,  
-7.1370

■ 170.8510,  
-14.2235, -11.2703

# Harmonies

## Analogous

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



64.0090, 49.7886, -56.1359



80.4660, 30.3363, 23.2703



71.5330, 15.5132, 64.4306

# Triad

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



80.4660, 30.3363, 23.2703



74.8880, -36.9198, 35.1782



69.0400, 15.7563, -60.5481

# Complementary

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



80.4660, 30.3363, 23.2703



116.5340, -30.3363, -23.2703

# 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.



63.0950, -4.4838, -55.3343



80.4660, 30.3363, 23.2703



72.3310, -35.6592, 4.0947

# Square

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



80.4660, 30.3363, 23.2703



71.2840, -27.2550, 62.0179



58.1190, -27.6667, -39.5694



73.0130, 33.5176, -64.0324



# Rectangle

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



80.4660, 30.3363, 23.2703



65.0480, 4.4133, 78.0109



58.1190, -27.6667, -39.5694



67.2160, 8.7675, -58.9484

# Sweetspot

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



80.4660, 30.3363, 23.2703



160.4430, 11.6136, 8.3815



86.0500, 27.5833, -27.2308



77.8680, 6.9671, 5.3778



219.0000, 0.0000, 0.0000



92.0000, 0.0000, 0.0000



# Same Dimension

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



80.4660, 30.3363, 23.2703



87.7230, 47.4646, 36.1999



90.1330, 22.1194, 45.4874



66.2930, 2.3206, 2.3740



39.6090, 47.0278, 36.2999



2.4070, 2.7573, 2.2741



# Inverse Universe

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



85.0030, 2.4635, 49.9864



94.8200, 3.5397, 78.2109



106.8670, -22.1194, -45.4874



66.4350, 0.2785, 4.0035



46.5210, 3.6871, 77.5961

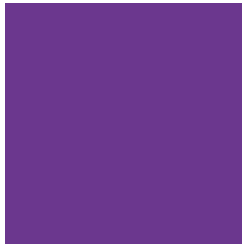


2.7340, 0.1311, 4.6183



# Previews

## White Background



This preview shows how the YUV color 80.4660, 30.3363, 23.2703 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 80.4660, 30.3363, 23.2703 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 80.4660, 30.3363, 23.2703

## Background



This preview shows how black text looks on a background with the YUV color 80.4660, 30.3363, 23.2703.



This preview shows how white text looks on a background with the YUV color 80.4660, 30.3363,



# 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

80.4660, 30.3363, 23.2703

### Protanopia

63.7810, 48.9150, -55.9359

### Deuteranopia

73.0430, 31.5308, -33.3637



## Tritanopia

80.5610, -0.7696, 13.5400

# Trichromacy



## Original Color

80.4660, 30.3363, 23.2703

## Protanomaly

69.8340, 41.9868, -27.0414

## Deuteranomaly

75.7620, 31.1763, -12.9463

## Tritanomaly

80.2700, 10.7129, 17.3032

# Monochromacy



## Original Color

80.4660, 30.3363, 23.2703

## Achromatopsia

80.0000, 0.0000, 0.0000

## Achromatomaly

80.3290, 11.1768, 8.4815

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 80.4660, 30.3363, 23.2703 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, 55, 142)` looks like.

```
.text, #text, p{  
    color:rgb(107, 55, 142)  
}
```

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, 55, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 55, 142) }
```

## Border

The CSS property to change the border of an element to YUV 80.4660, 30.3363, 23.2703 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, 55, 142) }
```



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

```
.border{ border-color:rgb(107, 55, 142) }
```

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

Here you see how a box with a 4 pixel rgb(107, 55, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 55, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 55, 142);  
box-shadow:4px 4px 4px 4px rgb(107, 55,  
142) }
```

# Background

The CSS property to change the background color of an element to YUV 80.4660, 30.3363, 23.2703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 55, 142) }
```

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

```
.background{ background-color: rgb(107, 55,  
142) }
```

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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