

# Converting Colors

YUV(66.9800, 17.2649, 15.8035)

Have a look what the booklet for  
YUV(66.9800, 17.2649, 15.8035)  
contains.

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# Color

**YUV(66.9800, 17.2649,  
15.8035)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	553366
RGB	85, 51, 102
RGB Percent	33%, 20%, 40%
CMY	0.6667, 0.8000, 0.6000
CMYK	0.17, 0.50, 0.00, 0.60
HSL	280°, 33%, 30%
HSV	280°, 50%, 40%
XYZ	7.3284, 5.2583, 13.1991
YIQ	66.9800, 3.8930, 23.0690

# Conversions

## Conversions Part 2

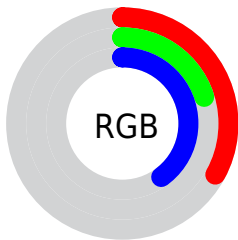
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	85, 51, 102
Decimal	5583718
CIE <sub>Lab</sub>	27.46, 25.49, -24.05
CIE <sub>LCh</sub>	27, 35.049, 316.661
Yxy	5.2583, 0.2842, 0.2039
Android (android.graphics.Color)	4283773798 (0xFF553366)
<b>YUV</b>	66.9800, 17.2649, 15.8035
Hunter-Lab	22.9309, 16.9172, -18.0758

# Details

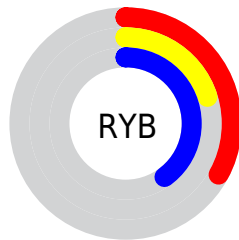
The YUV color **66.9800, 17.2649, 15.8035** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **86.0200, -17.2649, -15.8035**, and the grayscale version is **67.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **116.2190, 18.1330, 17.3479**, and **21.7410, 16.3967, 14.2591** is the 20% darker color. If you saturate the color by 10%, you get **60.2130, 20.6010, 19.1072**, and if you desaturate by 10%, it is **73.7470, 13.9287, 12.4999**.

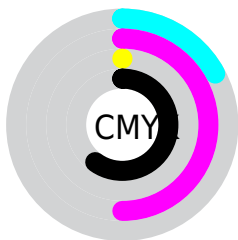
# Distribution



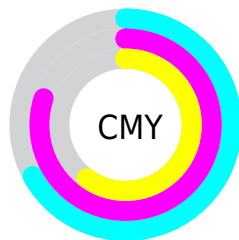
- Red (33%)
- Green (20%)
- Blue (40%)



- Red (33%)
- Yellow (20%)
- Blue (40%)



- Cyan (17%)
- Magenta (50%)
- Yellow (0%)
- Black (60%)



- Cyan (67%)
- Magenta (80%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 66.9800, 17.2649, 15.8035 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 66.9800, 17.2649, 15.8035 by changing the saturation by 10% instead.



66.9800, 17.2649,  
15.8035

66.9800, 17.2649,  
15.8035

255.0000, 0.0000,  
0.0000

44.1540, 16.6861,  
14.7739

116.2190, 18.1330,  
17.3479

21.7410, 16.3967,  
14.2591

142.0450, 18.7118,  
18.3775

7.9480, 12.3506,  
5.3076

168.5720, 19.4380,  
18.7924

0.6840, 2.6208,  
-0.5999

195.9850, 19.7274,  
19.3072

0.0000, 0.0000,  
0.0000

222.6710, 15.9382,  
21.3365

242.0860, 6.3666,

11.3256

■ 66.9800, 17.2649,  
15.8035

■ 66.9800, 17.2649,  
15.8035

■ 60.2130, 20.6010,  
19.1072

■ 73.7470, 13.9287,  
12.4999

■ 53.1470, 24.0845,  
21.7961

■ 80.8130, 10.4452,  
9.8110

■ 45.7930, 27.7101,  
25.6145

■ 88.1670, 6.8197,  
5.9925

■ 38.7270, 31.1936,  
28.3034

■ 95.2330, 3.3361,  
3.3037

■ 31.9600, 34.5297,  
31.6071

■ 102.0000, 0.0000,  
0.0000

■ 108.7670, -3.3361,  
-3.3037

■ 115.8330, -6.8197,  
-5.9925

■ 123.1870,  
-10.4452, -9.8110

■ 130.2530,  
-13.9287, -12.4999

# Harmonies

## Analogous

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



62.5780, 26.8300, -18.9239



66.9800, 17.2649, 15.8035



64.9520, 6.4327, 36.8761

# Triad

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



66.9800, 17.2649, 15.8035



61.7430, -26.9883, 23.0274



54.7920, 11.9345, -48.0526

# Complementary

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



66.9800, 17.2649, 15.8035



86.0200, -17.2649, -15.8035

# 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.



51.1270, 0.4304, -44.8384



66.9800, 17.2649, 15.8035



59.7360, -26.4918, 3.7395

# Square

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



66.9800, 17.2649, 15.8035



62.9480, -17.7224, 37.7566



55.8560, -15.2120, -20.9217



56.3540, 22.9965, -49.4225



# Rectangle

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



66.9800, 17.2649, 15.8035



63.5200, -1.7354, 43.3940



55.8560, -15.2120, -20.9217



53.7660, 8.0034, -47.1528

# Sweetspot

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



66.9800, 17.2649, 15.8035



119.1670, 6.8197, 5.9925



66.7930, 17.3571, -13.8505



57.7600, 4.0623, 3.7185



194.0000, 0.0000, 0.0000



66.0000, 0.0000, 0.0000



# Same Dimension

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



66.9800, 17.2649, 15.8035



77.9670, 27.1313, 24.5849



71.1510, 11.2646, 27.0546



47.4670, 1.7418, 1.3444



35.8340, 39.0288, 35.2256



75.7270, 81.9726, 74.7844



# Inverse Universe

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



68.1870, -0.0922, 29.6540



79.9980, 0.0010, 46.4828



81.8490, -11.2646, -27.0546



47.7230, 0.1366, 2.8739



38.7170, -0.3535, 66.9002



81.5920, -0.2919, 140.6778



# Previews

## White Background



This preview shows how the YUV color 66.9800, 17.2649, 15.8035 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 66.9800, 17.2649, 15.8035 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

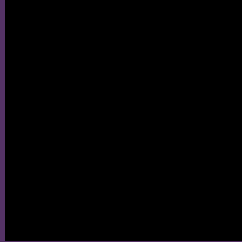
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 66.9800, 17.2649, 15.8035

## Background



This preview shows how black text looks on a background with the YUV color 66.9800, 17.2649, 15.8035.



This preview shows how white text looks on a background with the YUV color 66.9800, 17.2649,



# 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

66.9800, 17.2649, 15.8035

### Protanopia

63.4210, 24.9354, -17.9092

### Deuteranopia

64.0920, 17.2096, -13.2357



## Tritanopia

66.2510, -0.6167, 11.1809

# Trichromacy



## Original Color

66.9800, 17.2649, 15.8035

## Protanomaly

64.5150, 22.4241, -5.7137

## Deuteranomaly

65.1580, 17.1771, -2.7696

## Tritanomaly

66.5700, 5.6350, 12.6551

# Monochromacy



## Original Color

66.9800, 17.2649, 15.8035

## Achromatopsia

67.0000, 0.0000, 0.0000

## Achromatomaly

67.0530, 6.3829, 6.0925

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 66.9800, 17.2649, 15.8035 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(85, 51, 102)` looks like.

```
.text, #text, p{  
    color:rgb(85, 51, 102)  
}
```

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(85, 51, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 51, 102) }
```

## Border

The CSS property to change the border of an element to YUV 66.9800, 17.2649, 15.8035 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(85, 51, 102) }
```



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

```
.border{ border-color:rgb(85, 51, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 51, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 51, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 51, 102);  
box-shadow:4px 4px 4px 4px rgb(85, 51,  
102) }
```

# Background

The CSS property to change the background color of an element to YUV 66.9800, 17.2649, 15.8035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 51, 102) }
```

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

```
.background{ background-color: rgb(85, 51,  
102) }
```

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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