

# Converting Colors

YUV(66.0480, 17.7243, 55.2089)

Have a look what the booklet for  
YUV(66.0480, 17.7243, 55.2089)  
contains.

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# Color

**YUV(66.0480, 17.7243,  
55.2089)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	811B66
RGB	129, 27, 102
RGB Percent	51%, 11%, 40%
CMY	0.4941, 0.8941, 0.6000
CMYK	0.00, 0.79, 0.21, 0.49
HSL	316°, 65%, 31%
HSV	316°, 79%, 51%
XYZ	11.8435, 6.4103, 13.1835
YIQ	66.0480, 36.7170, 44.9490

# Conversions

## Conversions Part 2

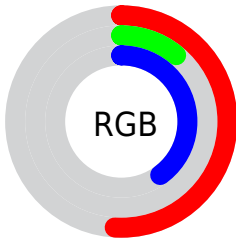
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 27, 102
Decimal	8461158
CIE <sub>Lab</sub>	30.42, 49.63, -18.90
CIE <sub>LCh</sub>	30, 53.107, 339.152
Yxy	6.4103, 0.3767, 0.2039
Android (android.graphics.Color)	4286651238 (0xFF811B66)
YUV	66.0480, 17.7243, 55.2089
Hunter-Lab	25.3186, 39.1908, -13.1495

# Details

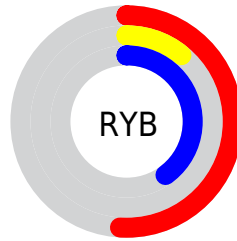
The YUV color **66.0480, 17.7243, 55.2089** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **89.9520, -17.7243, -55.2089**, and the grayscale version is **66.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **121.4780, 15.5403, 55.7088**, and **28.9940, 12.8210, 41.2243** is the 20% darker color. If you saturate the color by 10%, you get **58.0750, 20.1760, 62.2012**, and if you desaturate by 10%, it is **74.0210, 15.2726, 48.2166**.

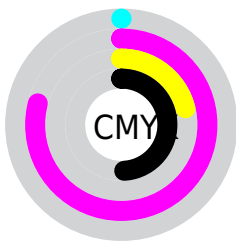
# Distribution



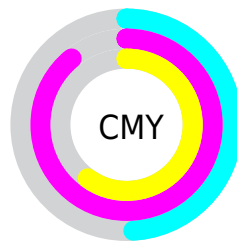
- Red (51%)
- Green (11%)
- Blue (40%)



- Red (51%)
- Yellow (11%)
- Blue (40%)



- Cyan (0%)
- Magenta (79%)
- Yellow (21%)
- Black (49%)




- Cyan (49%)
- Magenta (89%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 66.0480, 17.7243, 55.2089 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 66.0480, 17.7243, 55.2089 by changing the saturation by 10% instead.





 66.0480, 17.7243,  
55.2089


 66.0480, 17.7243,  
55.2089

255.0000, 0.0000,  
0.0000


 39.3900, 19.0347,  
54.9090


 121.4780, 15.5403,  
55.7088


 28.9940, 12.8210,  
41.2243

 149.0760, 15.2455,  
56.9383


 19.7230, 7.0386,  
29.1839

 176.7880, 15.3875,  
58.0679

 5.7670, 0.1149,  
9.8513

 199.4170, 18.0354,  
48.7463

 0.0000, 0.0000,  
0.0000

 218.0190, 18.2316,  
32.4323

 235.0420, 9.8393,

17.5032

252.0650, 1.4470,  
2.5740

66.0480, 17.7243,  
55.2089

66.0480, 17.7243,  
55.2089

58.0750, 20.1760,  
62.2012

74.0210, 15.2726,  
48.2166

49.9880, 22.1909,  
69.2935

82.1080, 13.2578,  
41.1243

49.4010, 22.4803,  
69.8083

90.0810, 10.8061,  
34.1320

98.1680, 8.7912,  
27.0397

106.1410, 6.3395,  
20.0473

■ 113.5270, 4.1772,  
13.5698

■ 121.6140, 2.1623,  
6.4775

■ 129.5870, -0.2894,  
-0.5148

■ 137.6740, -2.3043,  
-7.6071

# Harmonies

## Analogous

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



73.3290, 31.3898, 11.9895



66.0480, 17.7243, 55.2089



56.7550, 2.0928, 75.6369

# Triad

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



66.0480, 17.7243, 55.2089



66.4610, -32.7653, 9.2427



66.2650, 27.9704, -58.1144

# Complementary

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



66.0480, 17.7243, 55.2089



89.9520, -17.7243, -55.2089

# 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.



61.8190, 10.9352, -54.2153



66.0480, 17.7243, 55.2089



57.0930, -28.1468, -25.5146

# Square

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



66.0480, 17.7243, 55.2089



67.2350, -33.1469, 38.3819



55.6290, -7.7051, -48.7866



66.4080, 41.2109, -58.2398



# Rectangle

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



66.0480, 17.7243, 55.2089



61.2860, -13.4520, 68.1552



55.6290, -7.7051, -48.7866



64.8970, 22.7288, -56.9147

# Sweetspot

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



66.0480, 17.7243, 55.2089



143.3800, 7.2077, 21.5917



46.4020, 40.7208, 5.7864



69.2280, 4.3246, 12.9550



212.0000, 0.0000, 0.0000



84.0000, 0.0000, 0.0000



# Same Dimension

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



66.0480, 17.7243, 55.2089



69.2920, 27.9570, 86.5669



60.4620, -3.6788, 60.1078



59.6630, 1.1521, 3.8035



48.9880, 22.1909, 69.2935



0.0000, 0.0000, 0.0000



# Inverse Universe

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



66.0480, 17.7243, 55.2089



69.2920, 27.9570, 86.5669



95.6520, 4.1156, -60.2078



59.6630, 1.1521, 3.8035



48.9880, 22.1909, 69.2935

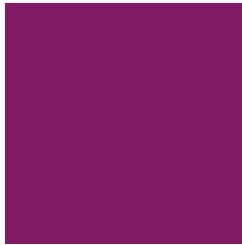


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 66.0480, 17.7243, 55.2089 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

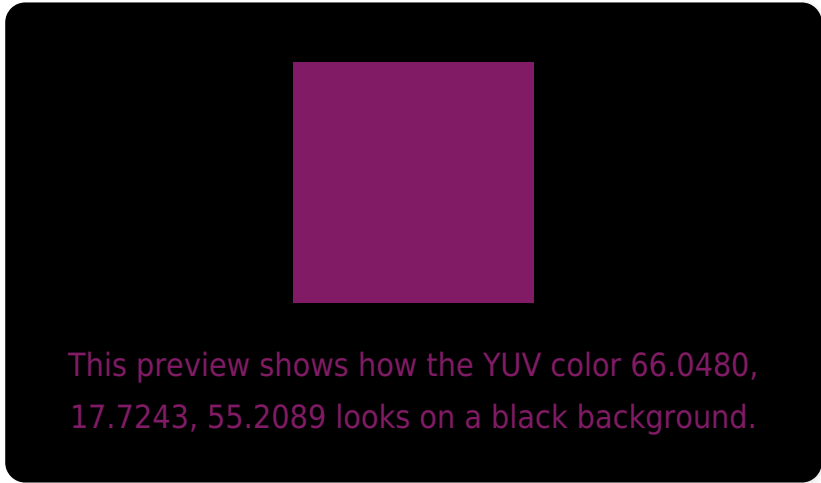
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

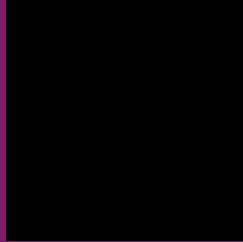
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 66.0480, 17.7243, 55.2089

## Background



This preview shows how black text looks on a background with the YUV color 66.0480, 17.7243, 55.2089.



This preview shows how white text looks on a background with the YUV color 66.0480, 17.7243,



# 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

66.0480, 17.7243, 55.2089

### Protanopia

68.6570, 33.6931, -26.8862

### Deuteranopia

73.5400, 11.0728, -4.8586



## Tritanopia

69.9630, -10.3348, 48.2674

# Trichromacy



## Original Color

66.0480, 17.7243, 55.2089

## Protanomaly

67.6500, 27.7806, 2.9380

## Deuteranomaly

70.9540, 13.3337, 16.7033

## Tritanomaly

68.3190, -0.1573, 50.5862

# Monochromacy



## Original Color

66.0480, 17.7243, 55.2089

## Achromatopsia

66.0000, 0.0000, 0.0000

## Achromatomaly

66.1410, 6.3395, 20.0473

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 66.0480, 17.7243, 55.2089 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(129, 27, 102)` looks like.

```
.text, #text, p{  
    color:rgb(129, 27, 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(129, 27, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 27, 102) }
```

## Border

The CSS property to change the border of an element to YUV 66.0480, 17.7243, 55.2089 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(129, 27, 102) }
```



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

```
.border{ border-color:rgb(129, 27, 102) }
```

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

Here you see how a box with a 4 pixel rgb(129, 27, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 27, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 27, 102);  
box-shadow:4px 4px 4px 4px rgb(129, 27,  
102) }
```

# Background

The CSS property to change the background color of an element to YUV 66.0480, 17.7243, 55.2089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 27, 102) }
```

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

```
.background{ background-color: rgb(129, 27,  
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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