

# Converting Colors

YUV(68.7770, -4.8201, 52.8156)

Have a look what the booklet for  
YUV(68.7770, -4.8201, 52.8156)  
contains.

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# Color

**YUV(68.7770, -4.8201,  
52.8156)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	81283B
RGB	129, 40, 59
RGB Percent	51%, 16%, 23%
CMY	0.4941, 0.8431, 0.7686
CMYK	0.00, 0.69, 0.54, 0.49
HSL	347°, 53%, 33%
HSV	347°, 69%, 51%
XYZ	10.6015, 6.5005, 4.8336
YIQ	68.7770, 46.9450, 24.7770

# Conversions

## Conversions Part 2

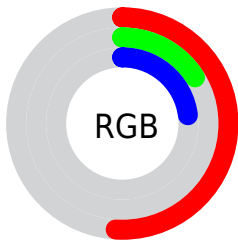
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	129, 40, 59
Decimal	8464443
CIE Lab	30.64, 39.64, 9.60
CIE LCh	31, 40.788, 13.613
Yxy	6.5005, 0.4833, 0.2963
Android (android.graphics.Color)	4286654523 (0xFF81283B)
YUV	68.7770, -4.8201, 52.8156
Hunter-Lab	25.4960, 29.6038, 6.6068




# Details

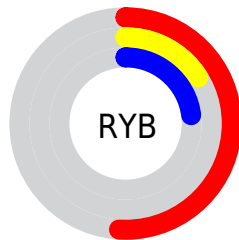
The YUV color **68.7770, -4.8201, 52.8156** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **100.2230, 4.8201, -52.8156**, and the grayscale version is **69.0000, 0.0000, 0.0000**.




A 20% lighter version of the original color is **121.1150, -7.4517, 56.9041**, and **24.0640, -3.4826, 43.7939** is the 20% darker color. If you saturate the color by 10%, you get **60.0060, -5.4260, 60.5077**, and if you desaturate by 10%, it is **77.5480, -4.2142, 45.1234**.

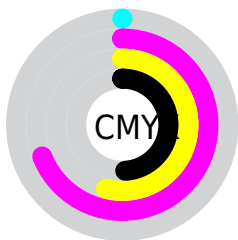
# Distribution







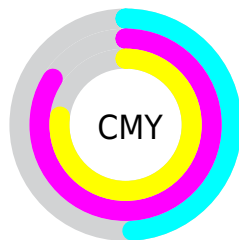
-  Red (51%)
-  Green (16%)
-  Blue (23%)






-  Red (51%)
-  Yellow (16%)
-  Blue (23%)



-  Cyan (0%)
-  Magenta (69%)
-  Yellow (54%)
-  Black (49%)



-  Cyan (49%)
-  Magenta (84%)
-  Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 68.7770, -4.8201, 52.8156 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 68.7770, -4.8201, 52.8156 by changing the saturation by 10% instead.



68.7770, -4.8201,  
52.8156

68.7770, -4.8201,  
52.8156

255.0000, 0.0000,  
0.0000

40.4010, -1.1837,  
53.1453

121.1150, -7.4517,  
56.9041

24.0640, -3.4826,  
43.7939

147.8980, -8.3307,  
58.8485

15.3630, -7.0810,  
31.2536

175.6810, -9.2097,  
60.7928

0.0000, 0.0000,  
0.0000

197.5980, -6.7038,  
50.3416

217.2260, -2.5764,  
33.1278

236.8540, 1.5510,

15.9140

■ 68.7770, -4.8201,  
52.8156

■ 68.7770, -4.8201,  
52.8156

■ 60.0060, -5.4260,  
60.5077

■ 77.5480, -4.2142,  
45.1234

■ 51.2350, -6.0319,  
68.1999

■ 86.3190, -3.6083,  
37.4312

■ 42.4640, -6.6378,  
75.8921

■ 95.0900, -3.0024,  
29.7391

■ 41.7630, -6.7852,  
76.5068

■ 103.9750, -1.9597,  
21.9469

■ 112.7460, -1.3538,  
14.2548

■ 120.9300, -0.4585,  
7.0774

■ 129.7010, 0.1474,  
-0.6148

■ 138.4720, 0.7533,  
-8.3069

■ 147.2430, 1.3592,  
-15.9991

# Harmonies

## Analogous

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



71.4950, 9.6160, 42.5389



68.7770, -4.8201, 52.8156



68.8350, -19.6387, 45.7487

# Triad

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



68.7770, -4.8201, 52.8156



61.7050, -19.5746, -21.6663



62.7090, 34.6535, -54.9958

# Complementary

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



68.7770, -4.8201, 52.8156



100.2230, 4.8201, -52.8156

# 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.



63.5920, 25.3441, -55.7702



68.7770, -4.8201, 52.8156



56.5240, -1.7373, -49.5715

# Square

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



68.7770, -4.8201, 52.8156



66.1510, -32.6124, 6.8836



60.8730, 12.3876, -53.3856



65.9230, 33.5620, -31.5045



# Rectangle

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



68.7770, -4.8201, 52.8156



69.0650, -28.6260, 35.0230



60.8730, 12.3876, -53.3856



63.4270, 32.3275, -55.6255

# Sweetspot

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



68.7770, -4.8201, 52.8156



144.3770, -1.6649, 20.7174



71.0760, 28.5565, 34.1363



69.8490, -0.9116, 12.4104



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.



68.7770, -4.8201, 52.8156



73.8670, -7.8224, 82.5546



81.2860, -20.3540, 41.8452



59.3210, -0.1583, 4.1035



41.3500, -7.0746, 75.9921



0.0000, 0.0000, 0.0000



# Inverse Universe

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



68.7770, -4.8201, 52.8156



73.8670, -7.8224, 82.5546



87.7140, 20.3540, -41.8452



59.3210, -0.1583, 4.1035



41.3500, -7.0746, 75.9921

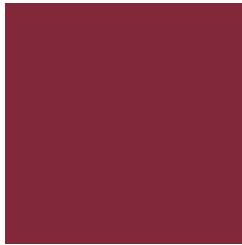


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 68.7770, -4.8201, 52.8156 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

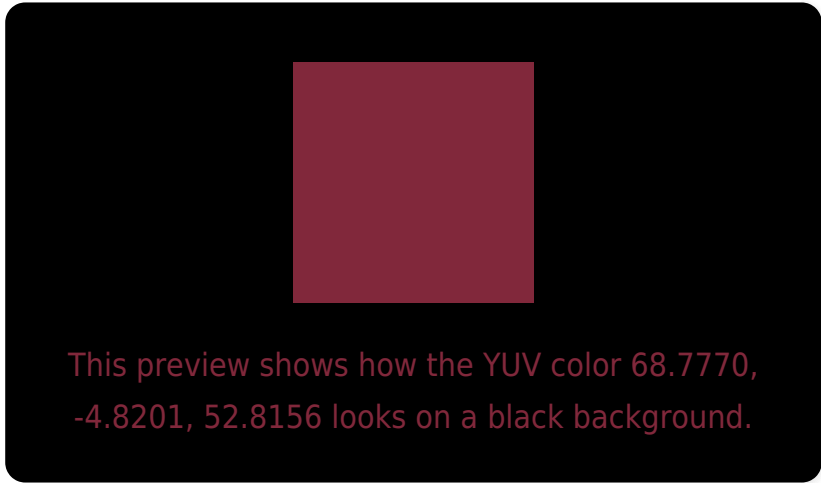
Any Text WCAG AA ✓ Pass

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 68.7770, -4.8201, 52.8156

## Background



This preview shows how black text looks on a background with the YUV color 68.7770, -4.8201, 52.8156.



This preview shows how white text looks on a background with the YUV color 68.7770, -4.8201,



# 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

68.7770, -4.8201, 52.8156

### Protanopia

73.5270, 0.7262, 0.4148

### Deuteranopia

73.0740, -8.9105, 11.3361



## Tritanopia

68.6430, -11.6560, 52.0561

# Trichromacy



## Original Color

68.7770, -4.8201, 52.8156

## Protanomaly

71.7790, -1.3700, 19.4878

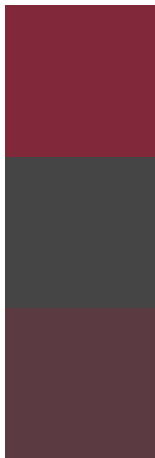
## Deuteranomaly

71.5150, -7.6489, 26.7353

## Tritanomaly

68.6260, -9.1826, 52.0710

# Monochromacy



## Original Color

68.7770, -4.8201, 52.8156

## Achromatopsia

69.0000, 0.0000, 0.0000

## Achromatomaly

68.6650, -1.8068, 19.5878

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 68.7770, -4.8201, 52.8156 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, 40, 59)` looks like.

```
.text, #text, p{  
    color:rgb(129, 40, 59)  
}
```

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, 40, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 40, 59) }
```

## Border

The CSS property to change the border of an element to YUV 68.7770, -4.8201, 52.8156 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, 40, 59) }
```



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

```
.border{ border-color:rgb(129, 40, 59) }
```

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

Here you see how a box with a 4 pixel rgb(129, 40, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 40, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 40, 59);  
box-shadow:4px 4px 4px 4px rgb(129, 40,  
59) }
```

# Background

The CSS property to change the background color of an element to YUV 68.7770, -4.8201, 52.8156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 40, 59) }
```

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

```
.background{ background-color: rgb(129, 40,  
59) }
```

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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