

# Converting Colors

YUV(67.8740, 18.3031, 56.2385)

Have a look what the booklet for  
YUV(67.8740, 18.3031, 56.2385)  
contains.

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# Color

**YUV(67.8740, 18.3031,  
56.2385)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	841C69
RGB	132, 28, 105
RGB Percent	52%, 11%, 41%
CMY	0.4824, 0.8902, 0.5882
CMYK	0.00, 0.79, 0.20, 0.48
HSL	316°, 65%, 31%
HSV	316°, 79%, 52%
XYZ	12.4808, 6.7560, 14.0108
YIQ	67.8740, 37.2670, 45.9950

# Conversions

## Conversions Part 2

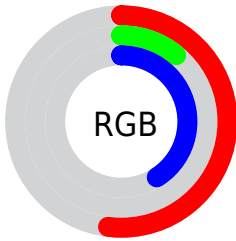
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	132, 28, 105
Decimal	8658025
CIE <sub>Lab</sub>	31.24, 50.50, -19.51
CIE <sub>LCh</sub>	31, 54.137, 338.871
Yxy	6.7560, 0.3754, 0.2032
Android (android.graphics.Color)	4286848105 (0xFF841C69)
<b>YUV</b>	67.8740, 18.3031, 56.2385
Hunter-Lab	25.9922, 40.2245, -13.7650

# Details

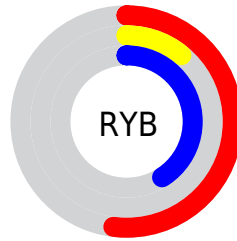
The YUV color **67.8740, 18.3031, 56.2385** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **92.1260, -18.3031, -56.2385**, and the grayscale version is **68.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **123.3040, 16.1191, 56.7384**, and **29.9340, 13.8365, 42.1539** is the 20% darker color. If you saturate the color by 10%, you get **59.9010, 20.7548, 63.2308**, and if you desaturate by 10%, it is **75.8470, 15.8514, 49.2462**.

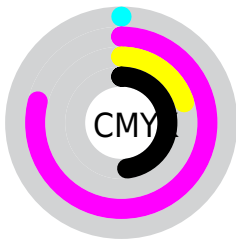
# Distribution



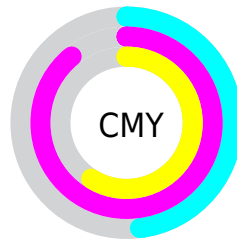
- Red (52%)
- Green (11%)
- Blue (41%)



- Red (52%)
- Yellow (11%)
- Blue (41%)



- Cyan (0%)
- Magenta (79%)
- Yellow (20%)
- Black (48%)




- Cyan (48%)
- Magenta (89%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 67.8740, 18.3031, 56.2385 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 67.8740, 18.3031, 56.2385 by changing the saturation by 10% instead.





 67.8740, 18.3031,  
56.2385


 67.8740, 18.3031,  
56.2385

255.0000, 0.0000,  
0.0000


 40.6290, 19.9029,  
56.4534


 123.3040, 16.1191,  
56.7384


 29.9340, 13.8365,  
42.1539

 150.9020, 15.8243,  
57.9679


 20.5490, 7.6173,  
30.2135

 178.6140, 15.9663,  
59.0975

 8.1310, 1.4144,  
13.0401

 200.9330, 18.7670,  
47.4168

 0.0000, 0.0000,  
0.0000

 219.1930, 17.6529,  
31.4027

 235.6290, 9.5499,

16.9884

253.2390, 0.8682,  
1.5444

67.8740, 18.3031,  
56.2385

67.8740, 18.3031,  
56.2385

59.9010, 20.7548,  
63.2308

75.8470, 15.8514,  
49.2462

51.8140, 22.7697,  
70.3231

83.9340, 13.8365,  
42.1539

50.6400, 23.3485,  
71.3527

92.4940, 11.0955,  
34.6468

100.5810, 9.0806,  
27.5545

108.5540, 6.6289,  
20.5621

■ 116.6410, 4.6140,  
13.4698

■ 124.6140, 2.1623,  
6.4775

■ 133.1740, -0.5788,  
-1.0296

■ 141.2610, -2.5937,  
-8.1219

# Harmonies

## Analogous

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



74.5570, 32.2634, 11.7895



67.8740, 18.3031, 56.2385



57.8800, 2.5242, 77.2812

# Triad

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



67.8740, 18.3031, 56.2385



68.5320, -33.7863, 10.0574



67.7810, 28.7020, -59.4439

# Complementary

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



67.8740, 18.3031, 56.2385



92.1260, -18.3031, -56.2385

# 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.



63.6940, 10.5039, -55.8596



67.8740, 18.3031, 56.2385



58.5660, -28.8730, -25.9294

# Square

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



67.8740, 18.3031, 56.2385



69.3060, -34.1679, 39.1966



57.5040, -8.1365, -50.4310



67.9240, 41.9425, -59.5693



# Rectangle

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



67.8740, 18.3031, 56.2385



62.7100, -13.1680, 70.4143



57.5040, -8.1365, -50.4310



66.4130, 23.4604, -58.2442

# Sweetspot

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



67.8740, 18.3031, 56.2385



145.6790, 7.0603, 22.2065



47.6300, 41.5944, 5.5865



71.5270, 4.1772, 13.5698



214.0000, 0.0000, 0.0000



87.0000, 0.0000, 0.0000



# Same Dimension

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



67.8740, 18.3031, 56.2385



71.1180, 28.5358, 87.5965



62.0600, -3.9736, 61.3374



62.3640, 1.2995, 3.1888



49.8140, 22.7697, 70.3231



1.1250, 0.4314, 1.6444



# Inverse Universe

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



67.8740, 18.3031, 56.2385



71.1180, 28.5358, 87.5965



97.9400, 3.9736, -61.3374



62.3640, 1.2995, 3.1888



49.8140, 22.7697, 70.3231

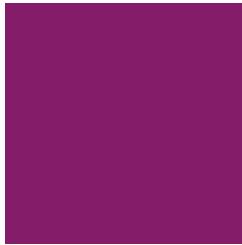


1.1250, 0.4314, 1.6444



# Previews

## White Background



This preview shows how the YUV color 67.8740, 18.3031, 56.2385 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

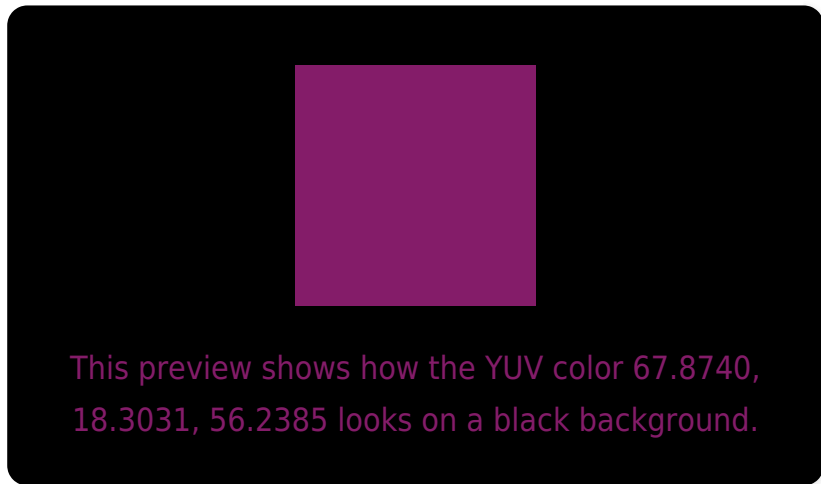
Any Text WCAG AA ✓ Pass

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

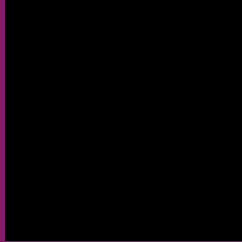
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 67.8740, 18.3031, 56.2385

## Background



This preview shows how black text looks on a background with the YUV color 67.8740, 18.3031, 56.2385.



This preview shows how white text looks on a background with the YUV color 67.8740, 18.3031,



# 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

67.8740, 18.3031, 56.2385

### Protanopia

70.5860, 34.7141, -27.7009

### Deuteranopia

75.3550, 11.6570, -5.5733



## Tritanopia

71.8490, -10.7716, 48.3674

# Trichromacy



## Original Color

67.8740, 18.3031, 56.2385

## Protanomaly

69.8780, 28.6541, 2.7380

## Deuteranomaly

72.4810, 14.0599, 17.1182

## Tritanomaly

70.6180, -0.3047, 51.2010

# Monochromacy



## Original Color

67.8740, 18.3031, 56.2385

## Achromatopsia

68.0000, 0.0000, 0.0000

## Achromatomaly

67.5540, 6.6289, 20.5621

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 67.8740, 18.3031, 56.2385 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(132, 28, 105)` looks like.

```
.text, #text, p{  
    color:rgb(132, 28, 105)  
}
```

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(132, 28, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 28, 105) }
```

## Border

The CSS property to change the border of an element to YUV 67.8740, 18.3031, 56.2385 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(132, 28, 105) }
```



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

```
.border{ border-color:rgb(132, 28, 105) }
```

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

Here you see how a box with a 4 pixel rgb(132, 28, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 28, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 28, 105);  
box-shadow:4px 4px 4px 4px rgb(132, 28,  
105) }
```

# Background

The CSS property to change the background color of an element to YUV 67.8740, 18.3031, 56.2385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 28, 105) }
```

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

```
.background{ background-color: rgb(132, 28,  
105) }
```

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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