

# Converting Colors

YUV(98.0470, 63.0808, 67.4878)

Have a look what the booklet for  
YUV(98.0470, 63.0808, 67.4878)  
contains.

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# Color

**YUV(98.0470, 63.0808,  
67.4878)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AF22E2
RGB	175, 34, 226
RGB Percent	69%, 13%, 89%
CMY	0.3137, 0.8667, 0.1137
CMYK	0.23, 0.85, 0.00, 0.11
HSL	284°, 77%, 51%
HSV	284°, 85%, 89%
XYZ	31.9787, 15.7490, 73.3059
YIQ	98.0470, 22.4040, 89.6040

# Conversions

## Conversions Part 2

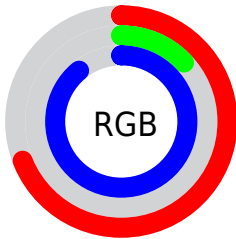
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	175, 34, 226
Decimal	11477730
CIE Lab	46.64, 77.74, -67.28
CIE LCh	47, 102.816, 319.125
Yxy	15.7490, 0.2642, 0.1301
Android (android.graphics.Color)	4289667810 (0xFFAF22E2)
YUV	98.0470, 63.0808, 67.4878
Hunter-Lab	39.6850, 74.3888, -81.7406

# Details

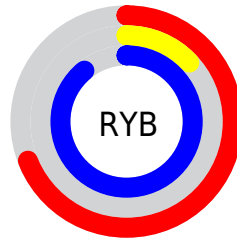
The YUV color **98.0470, 63.0808, 67.4878** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **161.9530, -63.0808, -67.4878**, and the grayscale version is **97.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **158.0350, 47.8037, 67.4983**, and **53.9500, 56.7196, 54.4178** is the 20% darker color. If you saturate the color by 10%, you get **82.7520, 70.6213, 75.6395**, and if you desaturate by 10%, it is **113.3420, 55.5404, 59.3361**.

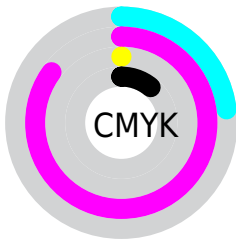
# Distribution



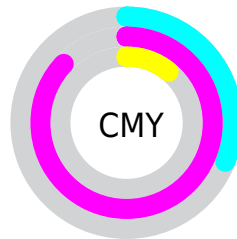
- Red (69%)
- Green (13%)
- Blue (89%)



- Red (69%)
- Yellow (13%)
- Blue (89%)



- Cyan (23%)
- Magenta (85%)
- Yellow (0%)
- Black (11%)



- Cyan (31%)
- Magenta (87%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 98.0470, 63.0808, 67.4878 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 98.0470, 63.0808, 67.4878 by changing the saturation by 10% instead.



98.0470, 63.0808,  
67.4878

98.0470, 63.0808,  
67.4878

255.0000, 0.0000,  
0.0000

65.8130, 64.6752,  
69.4470

158.0350, 47.8037,  
67.4983

53.9500, 56.7196,  
54.4178

181.6250, 36.1739,  
64.3499

42.2010, 49.2009,  
39.2887

198.6480, 27.7815,  
49.4207

29.9680, 42.4138,  
22.8301

215.6710, 19.3892,  
34.4915

17.4360, 35.7741,  
5.7566

232.6940, 10.9969,  
19.5624

7.4100, 28.3919,  
-6.4986

250.3040, 2.3151,

6.5490, 17.4773,

4.1184

-5.7435

■ 2.8670, 8.4466,  
-2.5144

■ 0.0000, 0.0000,  
0.0000

■ 98.0470, 63.0808,  
67.4878

■ 98.0470, 63.0808,  
67.4878

■ 82.7520, 70.6213,  
75.6395

■ 113.3420, 55.5404,  
59.3361

■ 75.3980, 74.2468,  
79.4580

■ 128.0500, 48.2893,  
51.6991

■ 143.3450, 40.7489,  
43.5474

■ 158.0530, 33.4979,  
35.9105

■ 173.3480, 25.9574,  
27.7588

■ 188.6430, 18.4170,  
19.6071

■ 203.3510, 11.1660,  
11.9702

■ 218.6460, 3.6255,  
3.8185

■ 233.3540, -3.6255,  
-3.8185

# Harmonies

## Analogous

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



90.1180, 81.2868, -79.0335



98.0470, 63.0808, 67.4878



88.7030, 28.2474, 133.5645

# Triad

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



98.0470, 63.0808, 67.4878



104.4910, -51.5141, 49.5584



102.8650, 31.1256, -90.2126

# Complementary

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



98.0470, 63.0808, 67.4878



161.9530, -63.0808, -67.4878

# 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.



90.7300, -7.7549, -79.5702



98.0470, 63.0808, 67.4878



96.4200, -47.5351, -13.5233

# Square

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



98.0470, 63.0808, 67.4878



82.7920, -40.8165, 118.5774



79.2450, -39.0678, -69.4979



111.0560, 65.0484, -97.3961



# Rectangle

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



98.0470, 63.0808, 67.4878



85.4940, 1.7285, 146.0258



79.2450, -39.0678, -69.4979



98.8580, 18.3110, -86.6985

# Sweetspot

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



98.0470, 63.0808, 67.4878



212.3490, 21.0269, 22.4959



85.8250, 69.1063, -45.4505



101.8180, 12.9077, 13.3146



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



98.0470, 63.0808, 67.4878



84.9830, 83.8184, 89.4689



108.1660, 35.9072, 103.3404



104.6460, 3.6255, 3.8185



58.6350, 57.8609, 61.7101



16.2360, 15.6597, 17.3330



# Inverse Universe

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



97.2220, -6.0254, 112.9383



83.9970, -7.8865, 149.9696



151.8340, -35.9072, -103.3404



104.6310, -0.3111, 6.4626



57.9820, -5.4141, 103.5018



15.8340, -1.3972, 28.2096



# Previews

## White Background



This preview shows how the YUV color 98.0470, 63.0808, 67.4878 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

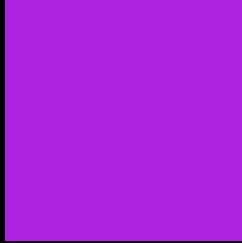
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 98.0470, 63.0808, 67.4878 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

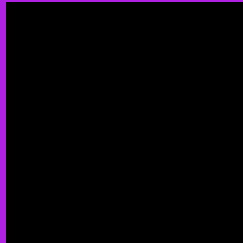
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 98.0470, 63.0808, 67.4878

## Background



This preview shows how black text looks on a background with the YUV color 98.0470, 63.0808, 67.4878.



This preview shows how white text looks on a background with the YUV color 98.0470, 63.0808,

67.4878.

# 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

98.0470, 63.0808, 67.4878

### Deuteranopia

89.4900, 53.4954, -78.4827

### Tritanopia

111.9340, -6.3765, 38.6459

# Trichromacy



## Original Color

98.0470, 63.0808, 67.4878



## Deuteranomaly

92.7430, 56.8217, -25.2076



## Tritanomaly

106.9440, 18.7616, 49.1611

# Monochromacy



## Original Color

98.0470, 63.0808, 67.4878



## Achromatopsia

98.0000, 0.0000, 0.0000



## Achromatomaly

98.2290, 23.0581, 24.3552

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 98.0470, 63.0808, 67.4878 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(175, 34, 226)` looks like.

```
.text, #text, p{  
    color:rgb(175, 34, 226)  
}
```

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(175, 34, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 34, 226) }
```

## Border

The CSS property to change the border of an element to YUV 98.0470, 63.0808, 67.4878 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(175, 34, 226) }
```

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

```
.border{ border-color:rgb(175, 34, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 34, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 34, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 34, 226);  
box-shadow:4px 4px 4px 4px rgb(175, 34,  
226) }
```



# Background

The CSS property to change the background color of an element to YUV 98.0470, 63.0808, 67.4878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 34, 226) }
```

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

```
.background{ background-color: rgb(175, 34,  
226) }
```

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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