

# Converting Colors

YUV(89.5300, 67.2797, 74.0802)

Have a look what the booklet for  
YUV(89.5300, 67.2797, 74.0802)  
contains.

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# Color

**YUV(89.5300, 67.2797,  
74.0802)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AE14E2
RGB	174, 20, 226
RGB Percent	68%, 8%, 89%
CMY	0.3176, 0.9216, 0.1137
CMYK	0.23, 0.91, 0.00, 0.11
HSL	285°, 84%, 48%
HSV	285°, 91%, 89%
XYZ	31.4332, 14.9900, 73.1881
YIQ	89.5300, 25.6580, 96.7140

# Conversions

## Conversions Part 2

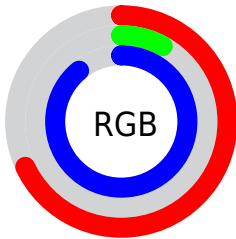
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 20, 226
Decimal	11408610
CIELab	45.62, 80.16, -68.95
CIElCh	46, 105.740, 319.299
Yxy	14.9900, 0.2628, 0.1253
Android (android.graphics.Color)	4289598690 (0xFFAE14E2)
YUV	89.5300, 67.2797, 74.0802
Hunter-Lab	38.7169, 77.1647, -84.9766

# Details

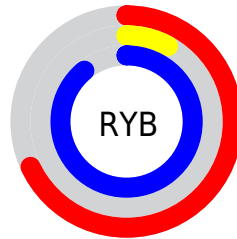
The YUV color **89.5300, 67.2797, 74.0802** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **156.4700, -67.2797, -74.0802**, and the grayscale version is **89.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **154.2140, 49.6875, 69.9723**, and **53.6510, 56.8671, 53.8031** is the 20% darker color. If you saturate the color by 10%, you get **76.2950, 73.8046, 81.3023**, and if you desaturate by 10%, it is **104.8250, 59.7393, 65.9285**.

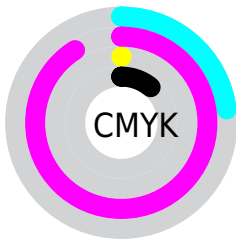
# Distribution



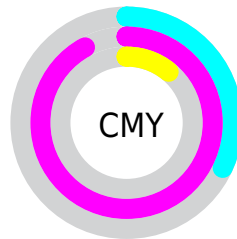
- Red (68%)
- Green (8%)
- Blue (89%)



- Red (68%)
- Yellow (8%)
- Blue (89%)



- Cyan (23%)
- Magenta (91%)
- Yellow (0%)
- Black (11%)



- Cyan (32%)
- Magenta (92%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 89.5300, 67.2797, 74.0802 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 89.5300, 67.2797, 74.0802 by changing the saturation by 10% instead.



89.5300, 67.2797,  
74.0802

89.5300, 67.2797,  
74.0802

255.0000, 0.0000,  
0.0000

65.5140, 64.8226,  
68.8322

154.2140, 49.6875,  
69.9723

53.6510, 56.8671,  
53.8031

178.1030, 37.9102,  
67.4387

41.6030, 49.4957,  
38.0592

195.1260, 29.5179,  
52.5095

29.3700, 42.7086,  
21.6005

212.1490, 21.1255,  
37.5803

15.9410, 36.5111,  
2.6827

229.7590, 12.4438,  
22.1364

7.4100, 28.3919,  
-6.4986

247.3690, 3.7621,

6.5490, 17.4773,

6.6924

-5.7435

■ 2.8670, 8.4466,  
-2.5144

■ 0.0000, 0.0000,  
0.0000

■ 89.5300, 67.2797,  
74.0802

■ 89.5300, 67.2797,  
74.0802

■ 76.2950, 73.8046,  
81.3023

■ 104.8250, 59.7393,  
65.9285

■ 119.2340, 52.6356,  
57.6768

■ 134.5290, 45.0952,  
49.5251

■ 149.2370, 37.8442,  
41.8882

■ 164.5320, 30.3037,  
33.7364

■ 179.5280, 22.9107,  
24.9699

■ 194.2360, 15.6597,  
17.3330

■ 209.5310, 8.1192,  
9.1813

■ 223.9400, 1.0156,  
0.9296

# Harmonies

## Analogous

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



88.3570, 82.1550, -77.4891



89.5300, 67.2797, 74.0802



88.4750, 27.3738, 133.7644

# Triad

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



89.5300, 67.2797, 74.0802



101.8330, -50.2037, 49.2585



100.9900, 31.5569, -88.5682

# Complementary

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



89.5300, 67.2797, 74.0802



156.4700, -67.2797, -74.0802

# 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.



89.2140, -8.4865, -78.2407



89.5300, 67.2797, 74.0802



93.7510, -46.2192, -15.5676

# Square

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



89.5300, 67.2797, 74.0802



74.2750, -36.6176, 125.1698



78.0710, -38.4890, -68.4683



109.9960, 66.0640, -96.4665



# Rectangle

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



89.5300, 67.2797, 74.0802



85.1520, 0.4181, 146.3257



78.0710, -38.4890, -68.4683



97.5700, 18.4530, -85.5689

# Sweetspot

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



89.5300, 67.2797, 74.0802



209.4140, 22.4739, 25.0699



75.7690, 74.0639, -48.9094



100.6440, 13.4865, 14.3442



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.



89.5300, 67.2797, 74.0802



86.1790, 83.2288, 91.9280



99.6060, 38.6482, 110.8475



104.6460, 3.6255, 3.8185



59.5320, 57.4187, 63.5544



16.2360, 15.6597, 17.3330



# Inverse Universe

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



87.5220, -7.6523, 121.4452



83.5410, -9.6337, 150.3695



146.3940, -38.6482, -110.8475



104.6310, -0.3111, 6.4626



57.6400, -6.7245, 103.8017

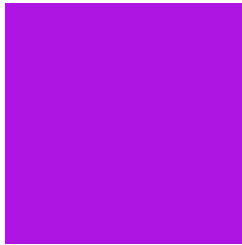


15.7200, -1.8340, 28.3096



# Previews

## White Background



This preview shows how the YUV color 89.5300, 67.2797, 74.0802 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

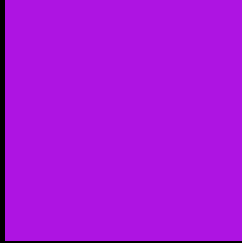
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 89.5300, 67.2797, 74.0802 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

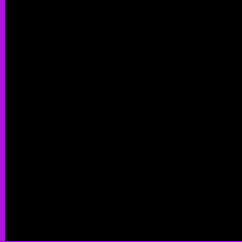
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 89.5300, 67.2797, 74.0802

## Background



This preview shows how black text looks on a background with the YUV color 89.5300, 67.2797, 74.0802.



This preview shows how white text looks on a background with the YUV color 89.5300, 67.2797,



# 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

89.5300, 67.2797, 74.0802

### Protanopia

86.9430, 66.5831, -76.2490

### Deuteranopia

87.2730, 52.6164, -76.5384



## Tritanopia

109.8200, -6.8133, 38.7459

# Trichromacy



## Original Color

89.5300, 67.2797, 74.0802



## Protanomaly

87.6970, 66.7044, -21.6593



## Deuteranomaly

88.1070, 58.1212, -22.0188



## Tritanomaly

102.5960, 19.9192, 51.2203

# Monochromacy



## Original Color

89.5300, 67.2797, 74.0802



## Achromatopsia

90.0000, 0.0000, 0.0000



## Achromatomaly

90.1800, 24.0683, 27.0291

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 89.5300, 67.2797, 74.0802 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(174, 20, 226)` looks like.

```
.text, #text, p{  
    color:rgb(174, 20, 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(174, 20, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 20, 226) }
```

## Border

The CSS property to change the border of an element to YUV 89.5300, 67.2797, 74.0802 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(174, 20, 226) }
```



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

```
.border{ border-color:rgb(174, 20, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 20, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 20, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 20, 226);  
box-shadow:4px 4px 4px 4px rgb(174, 20,  
226) }
```

# Background

The CSS property to change the background color of an element to YUV 89.5300, 67.2797, 74.0802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 20, 226) }
```

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

```
.background{ background-color: rgb(174, 20,  
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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