

# Converting Colors

YUV(72.0680, 84.7625, 66.5924)

Have a look what the booklet for  
YUV(72.0680, 84.7625, 66.5924)  
contains.

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# Color

**YUV(72.0680, 84.7625,  
66.5924)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | 9400F4                    |
| RGB           | 148, 0, 244               |
| RGB Percent   | 58%, 0%, 96%              |
| CMY           | 0.4196, 1.0000, 0.0431    |
| CMYK          | 0.39, 1.00, 0.00, 0.04    |
| HSL           | 276°, 100%, 48%           |
| HSV           | 276°, 100%, 96%           |
| XYZ           | 28.5419, 12.8276, 86.5596 |
| YIQ           | 72.0680, 9.8840, 107.2600 |

# Conversions

## Conversions Part 2

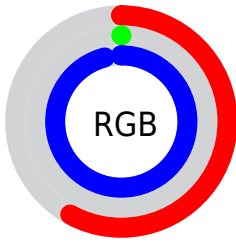
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 148, 0, 244                    |
| Decimal                             | 9699572                        |
| CIE <sub>Lab</sub>                  | 42.50, 82.66, -84.41           |
| CIE <sub>LCh</sub>                  | 43, 118.142, 314.401           |
| Yxy                                 | 12.8276, 0.2231,<br>0.1003     |
| Android<br>(android.graphics.Color) | 4287889652<br>(0xFF9400F4)     |
| YUV                                 | 72.0680, 84.7625,<br>66.5924   |
| Hunter-Lab                          | 35.8156, 79.5716,<br>-118.2220 |

# Details

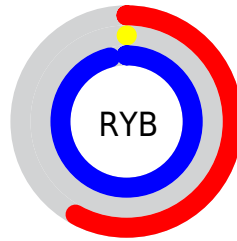
The YUV color **72.0680, 84.7625, 66.5924** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **171.9320, -84.7625, -66.5924**, and the grayscale version is **71.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **141.7550, 55.8298, 59.8509**, and **46.6190, 68.7148, 33.6601** is the 20% darker color. If you saturate the color by 10%, you get **72.0680, 84.7625, 66.5924**, and if you desaturate by 10%, it is **89.1460, 76.3430, 60.3850**.

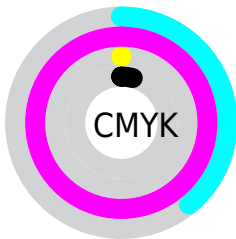
# Distribution



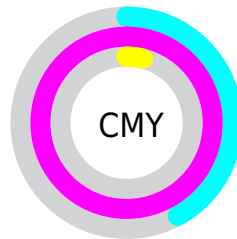
- Red (58%)
- Green (0%)
- Blue (96%)



- Red (58%)
- Yellow (0%)
- Blue (96%)



- Cyan (39%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)




- Cyan (42%)
- Magenta (100%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 72.0680, 84.7625, 66.5924 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 72.0680, 84.7625, 66.5924 by changing the saturation by 10% instead.





 72.0680, 84.7625,  
66.5924

 72.0680, 84.7625,  
66.5924


255.0000, 0.0000,  
0.0000


 59.4930, 76.6650,  
50.4336


 141.7550, 55.8298,  
59.8509


 46.6190, 68.7148,  
33.6601


 168.6340, 42.5784,  
63.4650


 32.3640, 61.9385,  
13.7128


 189.8430, 32.1224,  
57.1427

 14.9340, 57.2205,  
-13.0971

 206.8660, 23.7301,  
42.2135

 11.9700, 45.8638,  
-10.4977

 224.4760, 15.0483,  
26.7695

 11.9410, 33.0601,  
-10.4723

 242.0860, 6.3666,

 9.2050, 22.5769,

11.3256

-8.0728

■ 4.9360, 13.8356,  
-4.3289

■ 0.6840, 2.6208,  
-0.5999

■ 72.0680, 84.7625,  
66.5924

■ 89.1460, 76.3430,  
60.3850

■ 106.5120, 67.7816,  
53.0480

■ 123.5900, 59.3621,  
46.8406

■ 140.9560, 50.8007,  
39.5036

■ 158.0340, 42.3812,  
33.2962

■ 175.1120, 33.9618,  
27.0888

■ 192.4780, 25.4003,  
19.7518

■ 209.5560, 16.9809,  
13.5444

■ 226.9220, 8.4195,  
6.2074

# Harmonies

## Analogous

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



88.9440, 81.8656, -78.0039



72.0680, 84.7625, 66.5924



88.9460, 33.0576, 130.7204

# Triad

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



72.0680, 84.7625, 66.5924



93.3490, -46.0211, 61.0839



94.8290, 25.7203, -83.1650

# Complementary

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



72.0680, 84.7625, 66.5924



171.9320, -84.7625, -66.5924

# 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.



80.9840, -19.7121, -71.0230



72.0680, 84.7625, 66.5924



88.4790, -43.6201, -9.1901

# Square

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



72.0680, 84.7625, 66.5924



66.9760, -33.0192, 137.7100



73.3750, -36.1739, -64.3499



106.4910, 65.3269, -93.3926



# Rectangle

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



72.0680, 84.7625, 66.5924



86.7330, 2.5966, 147.5702



73.3750, -36.1739, -64.3499



90.3660, 11.1586, -79.2510

# Sweetspot

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



72.0680, 84.7625, 66.5924



201.4180, 26.4159, 20.6814



85.3420, 78.2184, -74.8449



95.3170, 16.1127, 12.0000



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.



72.0680, 84.7625, 66.5924



75.4150, 88.5354, 69.7960



98.0360, 60.1283, 128.0104



113.7600, 4.0623, 3.7185



54.9910, 64.5874, 50.8739



17.4900, 20.4644, 16.2333



# Inverse Universe

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



83.9000, 5.9653, 140.4077



87.6450, 6.0910, 146.7703



145.9640, -60.1283, -128.0104



114.1580, 0.4151, 6.8774



63.9360, 4.4686, 107.0501



20.2630, 1.3493, 33.9723



# Previews

## White Background



This preview shows how the YUV color 72.0680, 84.7625, 66.5924 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

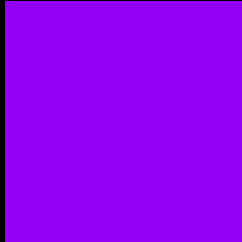
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 72.0680, 84.7625, 66.5924 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

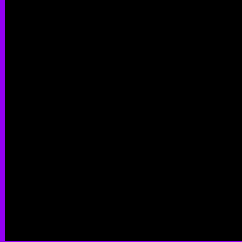
Any Text WCAG AA × Fail

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 72.0680, 84.7625, 66.5924 Background



This preview shows how black text looks on a background with the YUV color 72.0680, 84.7625, 66.5924.



This preview shows how white text looks on a background with the YUV color 72.0680, 84.7625,



# 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



### Protanopia

81.1240, 62.0569, -71.1457

### Deuteranopia

81.9270, 47.3640, -71.8500

### Tritanopia

103.0880, -0.0434, 13.9548

# Trichromacy



## Protanomaly

77.6200, 70.1933, -20.7147

## Deuteranomaly

78.5030, 60.8840, -21.4891

## Tritanomaly

91.6460, 30.7405, 33.6365

# Monochromacy



## Achromatopsia

72.0000, 0.0000, 0.0000

## Achromatomaly

72.2920, 30.9150, 24.2999

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 72.0680, 84.7625, 66.5924 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(148, 0, 244)` looks like.

```
.text, #text, p{  
    color:rgb(148, 0, 244)  
}
```

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(148, 0, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 0, 244) }
```

## Border

The CSS property to change the border of an element to YUV 72.0680, 84.7625, 66.5924 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(148, 0, 244) }
```

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

```
.border{ border-color:rgb(148, 0, 244) }
```

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

Here you see how a box with a 4 pixel rgb(148, 0, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 0, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 0, 244);  
box-shadow:4px 4px 4px 4px rgb(148, 0,  
244) }
```



# Background

The CSS property to change the background color of an element to YUV 72.0680, 84.7625, 66.5924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 0, 244) }
```

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

```
.background{ background-color: rgb(148, 0,  
244) }
```

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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