

# Converting Colors

YUV(72.7090, 85.9255, 66.9072)

Have a look what the booklet for  
YUV(72.7090, 85.9255, 66.9072)  
contains.

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# Color

**YUV(72.7090, 85.9255,  
66.9072)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9500F7
RGB	149, 0, 247
RGB Percent	58%, 0%, 97%
CMY	0.4157, 1.0000, 0.0314
CMYK	0.40, 1.00, 0.00, 0.03
HSL	276°, 100%, 48%
HSV	276°, 100%, 97%
XYZ	29.1829, 13.1050, 88.9871
YIQ	72.7090, 9.5170, 108.4050

# Conversions

## Conversions Part 2

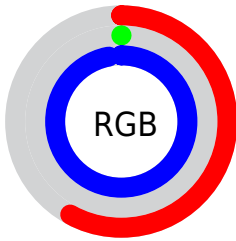
Format	Color
<b>R<sub>YB</sub></b>	149, 0, 247
Decimal	9765111
CIE Lab	42.92, 83.34, -85.40
CIE LCh	43, 119.330, 314.301
Yxy	13.1050, 0.2223, 0.0998
Android (android.graphics.Color)	4287955191 (0xFF9500F7)
YUV	72.7090, 85.9255, 66.9072
Hunter-Lab	36.2008, 80.5448, -120.4034

# Details

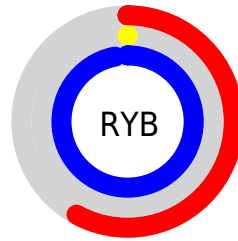
The YUV color **72.7090, 85.9255, 66.9072** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **174.2910, -85.9255, -66.9072**, and the grayscale version is **72.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **142.6410, 55.3930, 59.9508**, and **46.9610, 70.0252, 33.3602** is the 20% darker color. If you saturate the color by 10%, you get **72.7090, 85.9255, 66.9072**, and if you desaturate by 10%, it is **90.3740, 77.2166, 60.1850**.

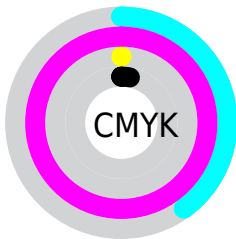
# Distribution



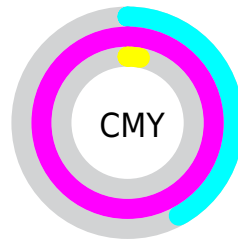
- Red (58%)
- Green (0%)
- Blue (97%)



- Red (58%)
- Yellow (0%)
- Blue (97%)



- Cyan (40%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)




- Cyan (42%)
- Magenta (100%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 72.7090, 85.9255, 66.9072 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 72.7090, 85.9255, 66.9072 by changing the saturation by 10% instead.





 72.7090, 85.9255,  
66.9072


 72.7090, 85.9255,  
66.9072


255.0000, 0.0000,  
0.0000


 60.1340, 77.8279,  
50.7485


 142.6410, 55.3930,  
59.9508


 46.9610, 70.0252,  
33.3602


 169.5200, 42.1416,  
63.5650


 32.7060, 63.2489,  
13.4128


 190.4300, 31.8330,  
56.6279

 15.2760, 58.5309,  
-13.3971

 207.4530, 23.4407,  
41.6987

 12.1980, 46.7374,  
-10.6976

 224.4760, 15.0483,  
26.7695

 11.1090, 34.9493,  
-9.7426

 242.0860, 6.3666,

 9.5470, 23.8873,

11.3256

-8.3727

■ 5.1640, 14.7091,  
-4.5288

■ 1.1400, 4.3680,  
-0.9998

■ 72.7090, 85.9255,  
66.9072

■ 90.3740, 77.2166,  
60.1850

■ 107.4520, 68.7972,  
53.9776

■ 124.8180, 60.2357,  
46.6406

■ 142.4830, 51.5269,  
39.9184

■ 160.1480, 42.8180,  
33.1962

■ 177.2260, 34.3986,  
26.9888

■ 194.8910, 25.6897,  
20.2666

■ 212.2570, 17.1283,  
12.9296

■ 229.3350, 8.7088,  
6.7222

# Harmonies

## Analogous

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



89.5310, 81.5762, -78.5187



72.7090, 85.9255, 66.9072



89.7720, 33.6364, 131.7500

# Triad

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



72.7090, 85.9255, 66.9072



93.9470, -46.3159, 62.3135



95.5300, 25.8677, -83.7798

# Complementary

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



72.7090, 85.9255, 66.9072



174.2910, -85.9255, -66.9072

# 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.



81.5710, -20.0015, -71.5378



72.7090, 85.9255, 66.9072



89.3650, -44.0569, -9.0901

# Square

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



72.7090, 85.9255, 66.9072



67.5740, -33.3140, 138.9396



73.9620, -36.4633, -64.8647



107.4200, 66.3479, -94.2073



# Rectangle

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



72.7090, 85.9255, 66.9072



86.8470, 3.0334, 147.4702



73.9620, -36.4633, -64.8647



91.0670, 11.3060, -79.8658

# Sweetspot

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



72.7090, 85.9255, 66.9072



201.4180, 26.4159, 20.6814



86.2710, 79.2394, -75.6597



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.



72.7090, 85.9255, 66.9072



75.1160, 88.6828, 69.1813



99.1610, 60.5596, 129.6548



113.7600, 4.0623, 3.7185



54.6920, 64.7348, 50.2591



17.1910, 20.6118, 15.6185



# Inverse Universe

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



85.0250, 6.3967, 142.0521



87.7590, 6.5278, 146.6704



147.8390, -60.5596, -129.6548



114.1580, 0.4151, 6.8774



64.0500, 4.9054, 106.9502



20.2630, 1.3493, 33.9723



# Previews

## White Background



This preview shows how the YUV color 72.7090, 85.9255, 66.9072 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

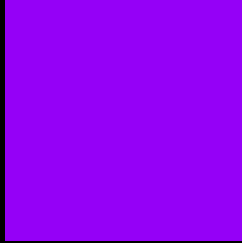
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 72.7090, 85.9255, 66.9072 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

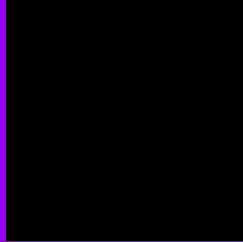
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 72.7090, 85.9255, 66.9072

## Background



This preview shows how black text looks on a background with the YUV color 72.7090, 85.9255, 66.9072.



This preview shows how white text looks on a background with the YUV color 72.7090, 85.9255,



# 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

81.9390, 62.6411, -71.8605

### Deuteranopia

82.7420, 47.9482, -72.5647

### Tritanopia

103.7890, 0.1040, 13.3400

# Trichromacy



## Protanomaly

78.5490, 71.2143, -21.5295

## Deuteranomaly

78.7310, 61.7576, -21.6891

## Tritanomaly

92.4610, 31.3247, 32.9217

# Monochromacy



## Achromatopsia

73.0000, 0.0000, 0.0000

## Achromatomaly

72.7050, 31.2044, 24.8147

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 72.7090, 85.9255, 66.9072 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(149, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(149, 0, 247)  
}
```

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(149, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 0, 247) }
```

## Border

The CSS property to change the border of an element to YUV 72.7090, 85.9255, 66.9072 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(149, 0, 247) }
```

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

```
.border{ border-color:rgb(149, 0, 247) }
```

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

Here you see how a box with a 4 pixel rgb(149, 0, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(149, 0,  
247) }
```



# Background

The CSS property to change the background color of an element to YUV 72.7090, 85.9255, 66.9072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 0, 247) }
```

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

```
.background{ background-color: rgb(149, 0,  
247) }
```

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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