

# Converting Colors

YUV(72.6100, 89.4253, 64.3630)

Have a look what the booklet for  
YUV(72.6100, 89.4253, 64.3630)  
contains.

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# Color

**YUV(72.6100, 89.4253,  
64.3630)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9200FE
RGB	146, 0, 254
RGB Percent	57%, 0%, 100%
CMY	0.4275, 1.0000, 0.0039
CMYK	0.43, 1.00, 0.00, 0.00
HSL	274°, 100%, 50%
HSV	274°, 100%, 100%
XYZ	29.7435, 13.2667, 94.7590
YIQ	72.6100, 5.4820, 109.9460

# Conversions

## Conversions Part 2

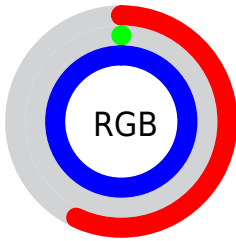
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	146, 0, 254
Decimal	9568510
CIE Lab	43.16, 84.45, -88.94
CIE LCh	43, 122.649, 313.515
Yxy	13.2667, 0.2159, 0.0963
Android (android.graphics.Color)	4287758590 (0xFF9200FE)
YUV	72.6100, 89.4253, 64.3630
Hunter-Lab	36.4235, 82.0218, -128.7516

# Details

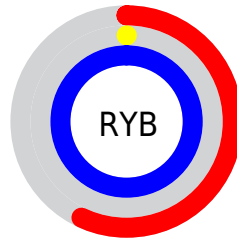
The YUV color **72.6100, 89.4253, 64.3630** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **181.3900, -89.4253, -64.3630**, and the grayscale version is **72.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **142.0430, 55.6878, 58.7213**, and **46.2640, 73.8198, 29.5865** is the 20% darker color. If you saturate the color by 10%, you get **72.6100, 89.4253, 64.3630**, and if you desaturate by 10%, it is **90.5740, 80.5690, 58.2556**.

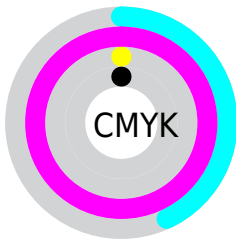
# Distribution



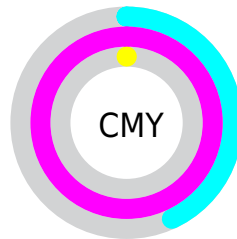
- Red (57%)
- Green (0%)
- Blue (100%)



- Red (57%)
- Yellow (0%)
- Blue (100%)



- Cyan (43%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)



- Cyan (43%)
- Magenta (100%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 72.6100, 89.4253, 64.3630 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 72.6100, 89.4253, 64.3630 by changing the saturation by 10% instead.



72.6100, 89.4253,  
64.3630

72.6100, 89.4253,  
64.3630

255.0000, 0.0000,  
0.0000

59.7360, 81.4752,  
47.5895

142.0430, 55.6878,  
58.7213

46.2640, 73.8198,  
29.5865

168.9220, 42.4365,  
62.3354

30.9980, 67.0490,  
7.8948

190.4300, 31.8330,  
56.6279

15.9600, 61.1517,  
-13.9969

207.4530, 23.4407,  
41.6987

12.8820, 49.3582,  
-11.2975

225.0630, 14.7589,  
26.2547

11.7930, 37.5701,  
-10.3425

242.0860, 6.3666,

10.7040, 25.7819,

11.3256

-9.3874

■ 6.3210, 16.6037,  
-5.5435

■ 2.6390, 7.5730,  
-2.3144

■ 72.6100, 89.4253,  
64.3630

■ 90.5740, 80.5690,  
58.2556

■ 109.1250, 71.4234,  
51.6334

■ 126.7900, 62.7145,  
44.9112

■ 145.3410, 53.5689,  
38.2889

■ 163.3050, 44.7126,  
32.1815

■ 181.2690, 35.8564,  
26.0741

■ 199.8200, 26.7107,  
19.4519

■ 217.4850, 18.0019,  
12.7297

■ 236.0360, 8.8563,  
6.1074

# Harmonies

## Analogous

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



90.7050, 80.9974, -79.5483



72.6100, 89.4253, 64.3630



91.1250, 34.9414, 133.1944

# Triad

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



72.6100, 89.4253, 64.3630



94.5560, -46.6161, 65.2874



96.1170, 25.5783, -84.2946

# Complementary

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



72.6100, 89.4253, 64.3630



181.3900, -89.4253, -64.3630

# 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.



81.5880, -22.4749, -71.5527



72.6100, 89.4253, 64.3630



89.9630, -44.3518, -7.8606

# Square

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



72.6100, 89.4253, 64.3630



69.0690, -34.0510, 142.0135



74.5490, -36.7527, -65.3795



108.2350, 66.9321, -94.9221



# Rectangle

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



72.6100, 89.4253, 64.3630



87.1890, 4.3438, 147.1702



74.5490, -36.7527, -65.3795



91.4260, 10.1430, -80.1806

# Sweetspot

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



72.6100, 89.4253, 64.3630



200.5210, 26.8581, 18.8371



93.5260, 79.1137, -82.0223



95.0180, 16.2601, 11.3852



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.



72.6100, 89.4253, 64.3630



73.0230, 89.7147, 64.8778



102.9640, 66.0797, 132.4586



118.5750, 4.6465, 3.0037



54.6640, 67.2136, 48.5297



18.3590, 22.5010, 16.3482



# Inverse Universe

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



88.2580, 9.7328, 145.3557



88.5570, 9.5854, 145.9705



151.0360, -66.0797, -132.4586



119.4570, 0.2677, 7.4922



66.3430, 7.2259, 109.3242



22.2140, 2.3595, 36.6463



# Previews

## White Background



This preview shows how the YUV color 72.6100, 89.4253, 64.3630 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

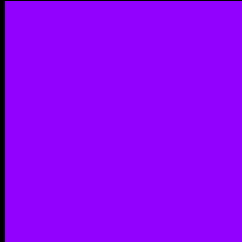
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 72.6100, 89.4253, 64.3630 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

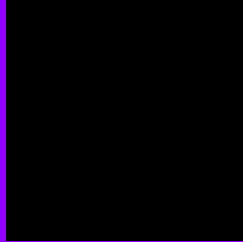
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 72.6100, 89.4253, 64.3630

## Background



This preview shows how black text looks on a background with the YUV color 72.6100, 89.4253, 64.3630.



This preview shows how white text looks on a background with the YUV color 72.6100, 89.4253,



# 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

82.5260, 62.3517, -72.3753

### Deuteranopia

82.7420, 47.9482, -72.5647

### Tritanopia

104.0980, 1.4307, 7.8071

# Trichromacy



## Protanomaly

79.0650, 71.9460, -22.8590

## Deuteranomaly

78.7740, 63.2154, -22.6038

## Tritanomaly

92.5960, 33.2302, 28.4183

# Monochromacy



## Achromatopsia

73.0000, 0.0000, 0.0000

## Achromatomaly

72.7480, 32.6622, 23.9000

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 72.6100, 89.4253, 64.3630 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(146, 0, 254)` looks like.

```
.text, #text, p{  
    color:rgb(146, 0, 254)  
}
```

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(146, 0, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 0, 254) }
```

## Border

The CSS property to change the border of an element to YUV 72.6100, 89.4253, 64.3630 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(146, 0, 254) }
```

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

```
.border{ border-color:rgb(146, 0, 254) }
```

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

Here you see how a box with a 4 pixel rgb(146, 0, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 0, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 0, 254);  
box-shadow:4px 4px 4px 4px rgb(146, 0,  
254) }
```



# Background

The CSS property to change the background color of an element to YUV 72.6100, 89.4253, 64.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 0, 254) }
```

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

```
.background{ background-color: rgb(146, 0,  
254) }
```

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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