

# Converting Colors

YUV(71.5840, 85.4941, 65.2628)

Have a look what the booklet for  
YUV(71.5840, 85.4941, 65.2628)  
contains.

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# Color

**YUV(71.5840, 85.4941,  
65.2628)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9200F5
RGB	146, 0, 245
RGB Percent	57%, 0%, 96%
CMY	0.4275, 1.0000, 0.0392
CMYK	0.40, 1.00, 0.00, 0.04
HSL	276°, 100%, 48%
HSV	276°, 100%, 96%
XYZ	28.3355, 12.7036, 87.3448
YIQ	71.5840, 8.3710, 107.1470

# Conversions

## Conversions Part 2

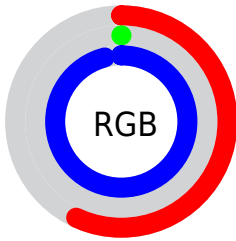
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	146, 0, 245
Decimal	9568501
CIE <sub>Lab</sub>	42.31, 82.67, -85.29
CIE <sub>LCh</sub>	42, 118.780, 314.104
Yxy	12.7036, 0.2207, 0.0989
Android (android.graphics.Color)	4287758581 (0xFF9200F5)
YUV	71.5840, 85.4941, 65.2628
Hunter-Lab	35.6421, 79.5342, -120.3472

# Details

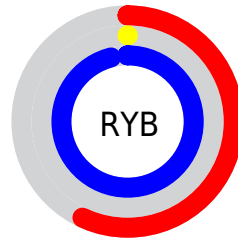
The YUV color **71.5840, 85.4941, 65.2628** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **173.4160, -85.4941, -65.2628**, and the grayscale version is **71.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **141.1570, 56.1246, 58.6213**, and **45.8360, 69.5939, 31.7158** is the 20% darker color. If you saturate the color by 10%, you get **71.5840, 85.4941, 65.2628**, and if you desaturate by 10%, it is **88.6620, 77.0746, 59.0554**.

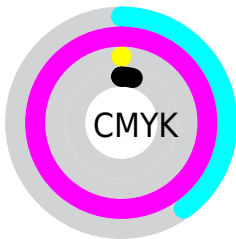
# Distribution



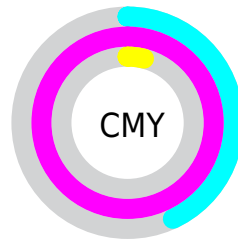
- Red (57%)
- Green (0%)
- Blue (96%)



- Red (57%)
- Yellow (0%)
- Blue (96%)



- Cyan (40%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)




- Cyan (43%)
- Magenta (100%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 71.5840, 85.4941, 65.2628 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 71.5840, 85.4941, 65.2628 by changing the saturation by 10% instead.





 71.5840, 85.4941,  
65.2628


 71.5840, 85.4941,  
65.2628


255.0000, 0.0000,  
0.0000


 59.0090, 77.3966,  
49.1041


 141.1570, 56.1246,  
58.6213


 45.8360, 69.5939,  
31.7158


 168.0360, 42.8733,  
62.2354


 31.2820, 62.9650,  
11.1537


 189.8430, 32.1224,  
57.1427

 15.0480, 57.6573,  
-13.1971

 206.8660, 23.7301,  
42.2135

 12.0840, 46.3006,  
-10.5977

 223.8890, 15.3377,  
27.2843

 12.0550, 33.4969,  
-10.5722

 241.4990, 6.6560,

 9.3190, 23.0137,

11.8404

-8.1728

■ 5.0500, 14.2723,  
-4.4289

■ 0.7980, 3.0576,  
-0.6998

■ 71.5840, 85.4941,  
65.2628

■ 88.6620, 77.0746,  
59.0554

■ 106.3270, 68.3658,  
52.3332

■ 123.9920, 59.6569,  
45.6110

■ 141.0700, 51.2375,  
39.4036

■ 158.7350, 42.5286,  
32.6814

■ 175.5140, 34.2566,  
25.8592

■ 192.5920, 25.8371,  
19.6518

■ 210.2570, 17.1283,  
12.9296

■ 227.9220, 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



71.5840, 85.4941, 65.2628



88.6470, 33.2050, 130.1056

# Triad

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



71.5840, 85.4941, 65.2628



92.7620, -45.7317, 61.5987



94.1280, 25.5729, -82.5503

# Complementary

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



71.5840, 85.4941, 65.2628



173.4160, -85.4941, -65.2628

# 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.



80.1690, -20.2963, -70.3082



71.5840, 85.4941, 65.2628



87.8920, -43.3308, -8.6753

# Square

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



71.5840, 85.4941, 65.2628



66.9760, -33.0192, 137.7100



72.7880, -35.8845, -63.8351



105.9040, 65.6163, -92.8778



# Rectangle

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



71.5840, 85.4941, 65.2628



86.7330, 2.5966, 147.5702



72.7880, -35.8845, -63.8351



89.6650, 11.0112, -78.6362

# Sweetspot

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



71.5840, 85.4941, 65.2628



201.1190, 26.5633, 20.0666



87.8040, 77.4976, -77.0041



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.



71.5840, 85.4941, 65.2628



74.5180, 88.9776, 67.9517



98.9050, 62.1648, 128.1253



113.4610, 4.2097, 3.1037



54.3930, 64.8823, 49.6443



17.1910, 20.6118, 15.6185



# Inverse Universe

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



84.5410, 7.1283, 140.7225



87.9870, 7.4014, 146.4704



146.0950, -62.1648, -128.1253



114.1580, 0.4151, 6.8774



64.1640, 5.3421, 106.8502



20.3770, 1.7861, 33.8724



# Previews

## White Background



This preview shows how the YUV color 71.5840, 85.4941, 65.2628 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

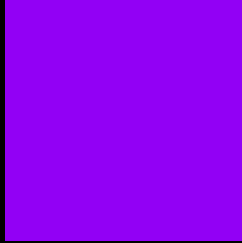
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 71.5840, 85.4941, 65.2628 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

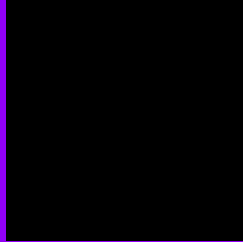
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 71.5840, 85.4941, 65.2628

## Background



This preview shows how black text looks on a background with the YUV color 71.5840, 85.4941, 65.2628.



This preview shows how white text looks on a background with the YUV color 71.5840, 85.4941,

65.2628.

# 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

81.0100, 61.6201, -71.0458

### Deuteranopia

81.2260, 47.2166, -71.2352

### Tritanopia

102.7780, 0.1094, 11.5957

# Trichromacy



## Protanomaly

77.3210, 70.3407, -21.3295

## Deuteranomaly

77.6170, 61.3208, -21.5891

## Tritanomaly

91.4500, 31.3301, 31.1773

# Monochromacy



## Achromatopsia

72.0000, 0.0000, 0.0000

## Achromatomaly

71.9930, 31.0625, 23.6851

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 71.5840, 85.4941, 65.2628 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(146, 0, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 0, 245) }
```

## Border

The CSS property to change the border of an element to YUV 71.5840, 85.4941, 65.2628 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, 245) }
```

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

```
.border{ border-color:rgb(146, 0, 245) }
```

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, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(146, 0,  
245) }
```



# Background

The CSS property to change the background color of an element to YUV 71.5840, 85.4941, 65.2628 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, 245) }
```

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

```
.background{ background-color: rgb(146, 0,  
245) }
```

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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