

# Converting Colors

YUV(88.9580, 71.5057, 71.9508)

Have a look what the booklet for  
YUV(88.9580, 71.5057, 71.9508)  
contains.

<b>YUV(88.9580, 71.5057, 71.9508)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	30

# Color

**YUV(88.9580, 71.5057,  
71.9508)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB13EA
RGB	171, 19, 234
RGB Percent	67%, 7%, 92%
CMY	0.3294, 0.9255, 0.0824
CMYK	0.27, 0.92, 0.00, 0.08
HSL	282°, 85%, 50%
HSV	282°, 92%, 92%
XYZ	31.8787, 15.0642, 79.0694
YIQ	88.9580, 21.5770, 99.0890

# Conversions

## Conversions Part 2

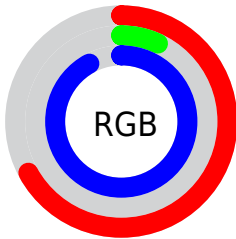
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 19, 234
Decimal	11211754
CIELab	45.72, 81.35, -73.35
CIELCh	46, 109.538, 317.961
Yxy	15.0642, 0.2530, 0.1195
Android (android.graphics.Color)	4289401834 (0xFFAB13EA)
YUV	88.9580, 71.5057, 71.9508
Hunter-Lab	38.8126, 78.6889, -93.6173

# Details

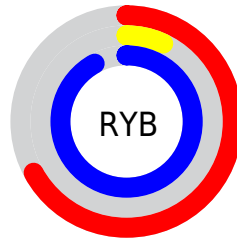
The YUV color **88.9580, 71.5057, 71.9508** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **164.0420, -71.5057, -71.9508**, and the grayscale version is **88.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **153.6160, 49.9823, 68.7428**, and **53.3670, 60.9511, 50.5441** is the 20% darker color. If you saturate the color by 10%, you get **76.0110, 77.8886, 78.0434**, and if you desaturate by 10%, it is **104.5520, 63.8179, 64.4139**.

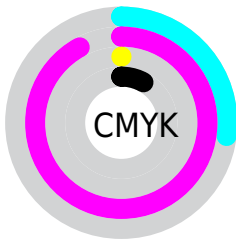
# Distribution



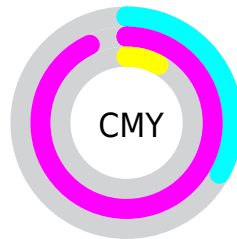
- Red (67%)
- Green (7%)
- Blue (92%)



- Red (67%)
- Yellow (7%)
- Blue (92%)



- Cyan (27%)
- Magenta (92%)
- Yellow (0%)
- Black (8%)



- Cyan (33%)
- Magenta (93%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 88.9580, 71.5057, 71.9508 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 88.9580, 71.5057, 71.9508 by changing the saturation by 10% instead.



88.9580, 71.5057,  
71.9508

88.9580, 71.5057,  
71.9508

255.0000, 0.0000,  
0.0000

65.5290, 68.7592,  
66.1881

153.6160, 49.9823,  
68.7428

53.3670, 60.9511,  
50.5441

177.5160, 38.1996,  
67.9535

41.2050, 53.1429,  
34.9002

195.1260, 29.5179,  
52.5095

28.3740, 46.6506,  
17.2120

212.1490, 21.1255,  
37.5803

11.9550, 41.9272,  
-7.8535

229.7590, 12.4438,  
22.1364

8.2080, 31.4495,  
-7.1984

247.3690, 3.7621,

7.8200, 19.8087,

6.6924

-6.8581

■ 3.5510, 11.0674,  
-3.1142

■ 0.0000, 0.0000,  
0.0000

■ 88.9580, 71.5057,  
71.9508

■ 88.9580, 71.5057,  
71.9508

■ 76.0110, 77.8886,  
78.0434

■ 104.5520, 63.8179,  
64.4139

■ 120.7330, 55.8406,  
56.3622

■ 136.3270, 48.1528,  
48.8252

■ 152.2090, 40.3230,  
40.1587

■ 167.8030, 32.6351,  
32.6218

■ 183.3970, 24.9473,  
25.0848

■ 199.5780, 16.9700,  
17.0331

■ 215.1720, 9.2822,  
9.4962

■ 231.3530, 1.3050,  
1.4444

# 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



88.9580, 71.5057, 71.9508



89.9420, 29.1156, 135.1089

# Triad

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



88.9580, 71.5057, 71.9508



101.8550, -50.2145, 52.7472



101.3490, 30.3939, -88.8831

# Complementary

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



88.9580, 71.5057, 71.9508



164.0420, -71.5057, -71.9508

# 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.



89.1170, -11.3967, -78.1556



88.9580, 71.5057, 71.9508



94.6480, -46.6615, -13.7233

# Square

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



88.9580, 71.5057, 71.9508



66.3780, -32.7244, 136.4805



78.0710, -38.4890, -68.4683



110.8110, 66.6482, -97.1812



# Rectangle

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



88.9580, 71.5057, 71.9508



86.3910, 1.2862, 147.8701



78.0710, -38.4890, -68.4683



97.2280, 17.1426, -85.2690

# Sweetspot

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



88.9580, 71.5057, 71.9508



207.0440, 23.6423, 23.6404



81.0780, 75.3905, -54.4424



98.2850, 14.6495, 14.6591



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.



88.9580, 71.5057, 71.9508



82.8900, 84.8502, 85.1655



102.8930, 43.4368, 114.9808



109.6460, 3.6255, 3.8185



58.9060, 60.1923, 60.5954



17.5180, 17.9856, 17.9627



# Inverse Universe

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



90.4670, -4.1742, 125.8784



84.7950, -4.8289, 149.2698



150.1070, -43.4368, -114.9808



109.6310, -0.3111, 6.4626



60.1610, -3.5304, 105.9758



17.9700, -0.9712, 31.5983



# Previews

## White Background



This preview shows how the YUV color 88.9580, 71.5057, 71.9508 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

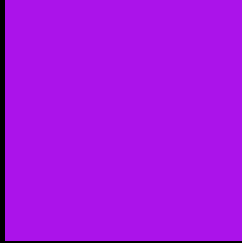
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 88.9580, 71.5057, 71.9508 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

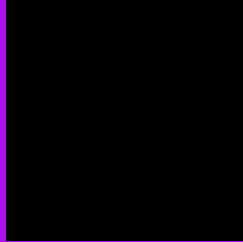
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 88.9580, 71.5057, 71.9508

## Background



This preview shows how black text looks on a background with the YUV color 88.9580, 71.5057, 71.9508.



This preview shows how white text looks on a background with the YUV color 88.9580, 71.5057,



# 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

88.9580, 71.5057, 71.9508

### Deuteranopia

87.7460, 51.8902, -76.9532

### Tritanopia

110.5420, -5.1972, 33.7277

# Trichromacy



**Original Color**

88.9580, 71.5057, 71.9508

**Deuteranomaly**

88.0360, 59.1423, -22.8336

**Tritanomaly**

102.6710, 22.8402, 47.6465

# Monochromacy



**Original Color**

88.9580, 71.5057, 71.9508

**Achromatopsia**

89.0000, 0.0000, 0.0000

**Achromatomaly**

89.3370, 25.9629, 26.0145

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 88.9580, 71.5057, 71.9508 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(171, 19, 234)` looks like.

```
.text, #text, p{  
    color:rgb(171, 19, 234)  
}
```

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(171, 19, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 19, 234) }
```

## Border

The CSS property to change the border of an element to YUV 88.9580, 71.5057, 71.9508 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(171, 19, 234) }
```

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

```
.border{ border-color:rgb(171, 19, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 19, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 19, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 19, 234);  
box-shadow:4px 4px 4px 4px rgb(171, 19,  
234) }
```



# Background

The CSS property to change the background color of an element to YUV 88.9580, 71.5057, 71.9508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 19, 234) }
```

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

```
.background{ background-color: rgb(171, 19,  
234) }
```

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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