

# Converting Colors

YUV(86.1340, 71.4189, 99.8605)

Have a look what the booklet for  
YUV(86.1340, 71.4189, 99.8605)  
contains.

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# Color

**YUV(86.1340, 71.4189,  
99.8605)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C800E7
RGB	200, 0, 231
RGB Percent	78%, 0%, 91%
CMY	0.2157, 1.0000, 0.0941
CMYK	0.13, 1.00, 0.00, 0.09
HSL	292°, 100%, 45%
HSV	292°, 100%, 91%
XYZ	38.2432, 18.0489, 77.0694
YIQ	86.1340, 45.0490, 114.2410

# Conversions

## Conversions Part 2

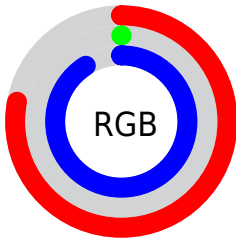
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	200, 0, 231
Decimal	13107431
CIE <sub>Lab</sub>	49.56, 86.56, -65.21
CIE <sub>LCh</sub>	50, 108.376, 323.006
Yxy	18.0489, 0.2868, 0.1353
Android (android.graphics.Color)	4291297511 (0xFFC800E7)
YUV	86.1340, 71.4189, 99.8605
Hunter-Lab	42.4840, 86.3352, -77.8182

# Details

The YUV color **86.1340, 71.4189, 99.8605** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed magenta. A complement of this color would be **144.8660, -71.4189, -99.8605**, and the grayscale version is **85.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **160.4930, 46.5920, 82.8826**, and **61.6960, 55.3659, 68.6726** is the 20% darker color. If you saturate the color by 10%, you get **86.1340, 71.4189, 99.8605**, and if you desaturate by 10%, it is **100.5320, 64.3207, 89.8644**.

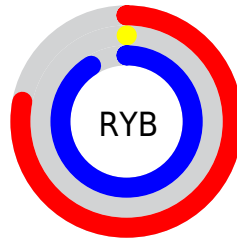
# Distribution



Red (78%)

Green (0%)

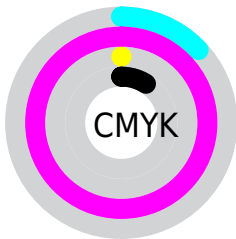
Blue (91%)



Red (78%)

Yellow (0%)

Blue (91%)

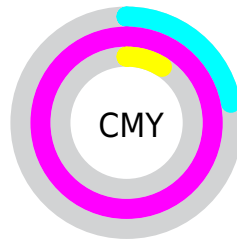


Cyan (13%)

Magenta (100%)

Yellow (0%)

Black (9%)



Cyan (22%)

Magenta (100%)

Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 86.1340, 71.4189, 99.8605 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 86.1340, 71.4189, 99.8605 by changing the saturation by 10% instead.





 86.1340, 71.4189,  
99.8605


 86.1340, 71.4189,  
99.8605

255.0000, 0.0000,  
0.0000


 73.8580, 63.1740,  
84.3165


 160.4930, 46.5920,  
82.8826


 61.6960, 55.3659,  
68.6726


 178.6900, 37.6208,  
66.9239


 49.9470, 47.8471,  
53.5435


 196.3000, 28.9391,  
51.4799

 37.8990, 40.4758,  
37.7996

 213.9100, 20.2574,  
36.0359

 26.9760, 33.5358,  
23.7000

 231.5200, 11.5756,  
20.5920

 12.4650, 28.3648,  
2.2232

 249.7170, 2.6045,

 7.5920, 18.9351,

4.6332

-6.6582

■ 3.3230, 10.1938,  
-2.9143

■ 0.0000, 0.0000,  
0.0000

■ 86.1340, 71.4189,  
99.8605

■ 100.5320, 64.3207,  
89.8644

■ 114.9300, 57.2225,  
79.8684

■ 129.3280, 50.1243,  
69.8723

■ 143.7260, 43.0261,  
59.8763

■ 159.0100, 35.4911,  
49.9802

■ 173.4080, 28.3929,  
39.9842

■ 187.8060, 21.2946,  
29.9881

■ 202.2040, 14.1964,  
19.9921

■ 216.6020, 7.0982,  
9.9960

# 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



86.1340, 71.4189, 99.8605



92.6610, 25.3101, 142.3713

# Triad

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



86.1340, 71.4189, 99.8605



111.2470, -54.8448, 44.5104



110.6560, 38.1306, -97.0453

# Complementary

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



86.1340, 71.4189, 99.8605



144.8660, -71.4189, -99.8605

# 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.



98.6520, -2.7864, -86.5178



86.1340, 71.4189, 99.8605



99.5990, -49.1023, -24.2043

# Square

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



86.1340, 71.4189, 99.8605



95.1630, -46.9154, 114.7440



85.1150, -41.9617, -74.6459



117.7070, 67.6854, -103.2290



# Rectangle

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



86.1340, 71.4189, 99.8605



85.8210, -0.8978, 148.3700



85.1150, -41.9617, -74.6459



107.1220, 24.5899, -93.9460

# Sweetspot

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



86.1340, 71.4189, 99.8605



207.3980, 23.4678, 32.9770



46.8790, 90.7717, -41.1129



98.9050, 14.3438, 19.3773



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.



86.1340, 71.4189, 99.8605



95.1490, 78.8065, 110.3713



86.1690, 31.4687, 127.0168



107.3580, 3.7675, 4.9480



66.7510, 55.3388, 77.3944



18.9700, 15.7908, 21.9513



# Inverse Universe

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



72.6030, -20.5103, 138.9142



80.1210, -22.7377, 153.3689



144.8310, -31.4687, -127.0168



106.8160, -0.8953, 7.1774



56.2570, -15.9027, 107.6456



16.0470, -4.4602, 30.6538



# Previews

## White Background



This preview shows how the YUV color 86.1340, 71.4189, 99.8605 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

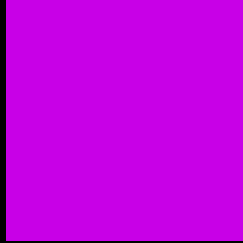
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 86.1340, 71.4189, 99.8605 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

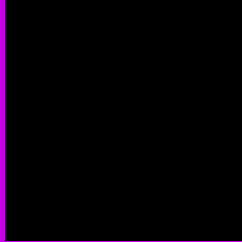
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 86.1340, 71.4189, 99.8605

## Background



This preview shows how black text looks on a background with the YUV color 86.1340, 71.4189, 99.8605.



This preview shows how white text looks on a background with the YUV color 86.1340, 71.4189,



# 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

95.2070, 72.8619, -83.4965

### Deuteranopia

96.1240, 58.6059, -84.3007

### Tritanopia

119.1920, -10.9407, 55.9596

# Trichromacy



## Protanomaly

91.9240, 72.5085, -16.5963

## Deuteranomaly

92.8070, 63.1991, -17.3707

## Tritanomaly

107.2010, 19.1279, 71.7377

# Monochromacy



## Achromatopsia

86.0000, 0.0000, 0.0000

## Achromatomaly

86.1040, 26.0777, 35.8658

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 86.1340, 71.4189, 99.8605 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(200, 0, 231)` looks like.

```
.text, #text, p{  
    color:rgb(200, 0, 231)  
}
```

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(200, 0, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 0, 231) }
```

## Border

The CSS property to change the border of an element to YUV 86.1340, 71.4189, 99.8605 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(200, 0, 231) }
```

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

```
.border{ border-color:rgb(200, 0, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 0, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 0, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 0, 231);  
box-shadow:4px 4px 4px 4px rgb(200, 0,  
231) }
```



# Background

The CSS property to change the background color of an element to YUV 86.1340, 71.4189, 99.8605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 0, 231) }
```

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

```
.background{ background-color: rgb(200, 0,  
231) }
```

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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