

Converting Colors

YUV(85.4600, 66.8212, 81.1576)

Have a look what the booklet for
YUV(85.4600, 66.8212, 81.1576)
contains.

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Color

**YUV(85.4600, 66.8212,
81.1576)**

Conversions

Conversions Part 1

Format	Color
Hex	B20CDD
RGB	178, 12, 221
RGB Percent	70%, 5%, 87%
CMY	0.3020, 0.9529, 0.1333
CMYK	0.19, 0.95, 0.00, 0.13
HSL	288°, 90%, 46%
HSV	288°, 95%, 87%
XYZ	31.5427, 14.9484, 69.6295
YIQ	85.4600, 31.8470, 100.1910

Conversions

Conversions Part 2

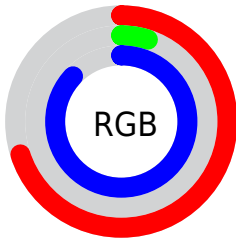
Format	Color
R_{YB}	178, 12, 221
Decimal	11668701
CIE _{Lab}	45.56, 80.81, -66.17
CIE _{LCh}	46, 104.443, 320.691
Yxy	14.9484, 0.2716, 0.1287
Android (android.graphics.Color)	4289858781 (0xFFB20CDD)
YUV	85.4600, 66.8212, 81.1576
Hunter-Lab	38.6631, 77.9660, -79.7127

Details

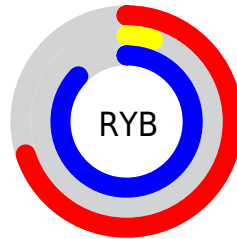
The YUV color **85.4600, 66.8212, 81.1576** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **147.5400, -66.8212, -81.1576**, and the grayscale version is **85.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **154.2360, 49.6767, 73.4610**, and **54.3910, 54.5302, 56.6621** is the 20% darker color. If you saturate the color by 10%, you get **77.8180, 70.5887, 86.1056**, and if you desaturate by 10%, it is **99.8690, 59.7176, 72.9059**.

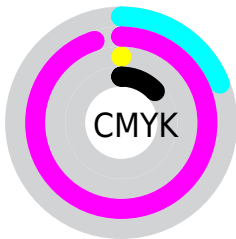
Distribution



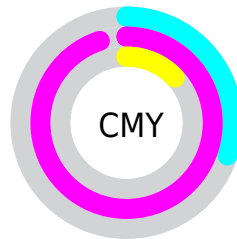
- Red (70%)
- Green (5%)
- Blue (87%)



- Red (70%)
- Yellow (5%)
- Blue (87%)



- Cyan (19%)
- Magenta (95%)
- Yellow (0%)
- Black (13%)



- Cyan (30%)
- Magenta (95%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the YUV color 85.4600, 66.8212, 81.1576 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 85.4600, 66.8212, 81.1576 by changing the saturation by 10% instead.

85.4600, 66.8212,
81.1576

85.4600, 66.8212,
81.1576

255.0000, 0.0000,
0.0000

66.2540, 62.4858,
71.6912

154.2360, 49.6767,
73.4610

54.3910, 54.5302,
56.6621

176.9290, 38.4890,
68.4683

42.6420, 47.0115,
41.5330

193.9520, 30.0967,
53.5391

30.5940, 39.6402,
25.7891

211.5620, 21.4149,
38.0951

18.1760, 33.4372,
8.6156

228.5850, 13.0226,
23.1660

6.9540, 26.6447,
-6.0987

246.1950, 4.3409,

6.0930, 15.7302,

7.7220

-5.3436

■ 2.4110, 6.6994,
-2.1144

■ 0.0000, 0.0000,
0.0000

■ 85.4600, 66.8212,
81.1576

■ 85.4600, 66.8212,
81.1576

■ 77.8180, 70.5887,
86.1056

■ 99.8690, 59.7176,
72.9059

■ 113.9790, 52.7614,
64.0394

■ 128.3880, 45.6577,
55.7877

■ 142.4980, 38.7015,
46.9213

■ 157.4940, 31.3085,
38.1548

■ 171.6040, 24.3522,
29.2883

■ 186.0130, 17.2486,
21.0366

■ 200.1230, 10.2924,
12.1701

■ 214.5320, 3.1887,
3.9184

Harmonies

Analogous

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



87.1830, 82.7338, -76.4595



85.4600, 66.8212, 81.1576



87.9050, 25.1898, 134.2643

Triad

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



85.4600, 66.8212, 81.1576



101.8110, -50.1928, 45.7698



101.3320, 32.8673, -88.8682

Complementary

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



85.4600, 66.8212, 81.1576



147.5400, -66.8212, -81.1576

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.



89.7840, -6.3025, -78.7406



85.4600, 66.8212, 81.1576



92.5550, -45.6296, -18.0267

Square

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



85.4600, 66.8212, 81.1576



80.7100, -39.7900, 116.0183



78.0710, -38.4890, -68.4683



109.5230, 66.7902, -96.0517

Rectangle

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



85.4600, 66.8212, 81.1576



84.0980, -1.0343, 145.4961



78.0710, -38.4890, -68.4683



97.3250, 20.0528, -85.3540

Sweetspot

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



85.4600, 66.8212, 81.1576



208.8380, 22.7579, 27.3291



62.2410, 78.2682, -44.0614



99.4810, 14.0599, 17.1182



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.



85.4600, 66.8212, 81.1576



89.7670, 81.4599, 99.3053



91.5910, 34.7116, 113.4917



102.6460, 3.6255, 3.8185



60.9840, 55.2239, 67.5430



16.0080, 14.7861, 17.5330

Inverse Universe

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



79.3930, -12.0257, 124.1893



82.1730, -14.8753, 151.5693



141.4090, -34.7116, -113.4917



102.5170, -0.7479, 6.5626



55.8310, -9.7767, 102.7572



14.7800, -2.8495, 27.3799

Previews

White Background



This preview shows how the YUV color 85.4600, 66.8212, 81.1576 looks on a white background.

Color Contrast Check

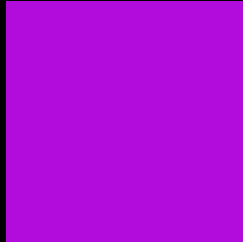
Large Text (above 18pt) WCAG AA ✓ Pass

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 85.4600, 66.8212, 81.1576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

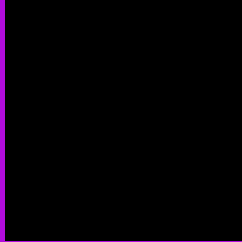
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 85.4600, 66.8212, 81.1576

Background



This preview shows how black text looks on a background with the YUV color 85.4600, 66.8212, 81.1576.



This preview shows how white text looks on a background with the YUV color 85.4600, 66.8212,

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

85.4600, 66.8212, 81.1576

Protanopia

86.9430, 66.5831, -76.2490

Deuteranopia

87.3870, 53.0532, -76.6384



Tritanopia

109.5110, -8.1399, 44.2789

Trichromacy



Original Color

85.4600, 66.8212, 81.1576



Protanomaly

86.4200, 66.8409, -18.7853



Deuteranomaly

86.7160, 57.8210, -19.0449



Tritanomaly

101.1130, 19.1713, 57.7829

Monochromacy



Original Color

85.4600, 66.8212, 81.1576



Achromatopsia

85.0000, 0.0000, 0.0000



Achromatomaly

84.9030, 24.2048, 29.9031

CSS Examples

Text

The CSS property to change the color of the text to YUV 85.4600, 66.8212, 81.1576 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(178, 12, 221)` looks like.

```
.text, #text, p{  
    color:rgb(178, 12, 221)  
}
```

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(178, 12, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 12, 221) }
```

Border

The CSS property to change the border of an element to YUV 85.4600, 66.8212, 81.1576 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(178, 12, 221) }
```


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

```
.border{ border-color:rgb(178, 12, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 12, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 12, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 12, 221);  
box-shadow:4px 4px 4px 4px rgb(178, 12,  
221) }
```

Background

The CSS property to change the background color of an element to YUV 85.4600, 66.8212, 81.1576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 12, 221) }
```

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

```
.background{ background-color: rgb(178, 12,  
221) }
```

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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