

# Converting Colors

YUV(126.5770, 45.5645,  
38.9590)

Have a look what the booklet for  
YUV(126.5770, 45.5645, 38.9590)  
contains.

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# Color

**YUV(126.5770, 45.5645,  
38.9590)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AB56DB
RGB	171, 86, 219
RGB Percent	67%, 34%, 86%
CMY	0.3294, 0.6627, 0.1412
CMYK	0.22, 0.61, 0.00, 0.14
HSL	278°, 65%, 60%
HSV	278°, 61%, 86%
XYZ	32.9086, 20.4280, 69.2264
YIQ	126.5770, 7.9670, 59.3830

# Conversions

## Conversions Part 2

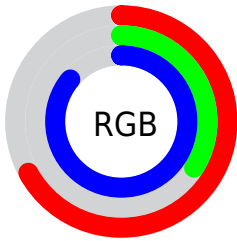
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 86, 219
Decimal	11228891
CIE <sub>Lab</sub>	52.32, 56.62, -54.19
CIE <sub>LCh</sub>	52, 78.374, 316.260
Yxy	20.4280, 0.2685, 0.1667
Android (android.graphics.Color)	4289418971 (0xFFAB56DB)
YUV	126.5770, 45.5645, 38.9590
Hunter-Lab	45.1973, 50.8721, -59.1732

# Details

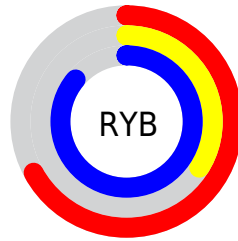
The YUV color **126.5770, 45.5645, 38.9590** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **178.4230, -45.5645, -38.9590**, and the grayscale version is **126.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **179.7210, 37.1125, 43.2177**, and **70.5770, 45.5645, 38.9590** is the 20% darker color. If you saturate the color by 10%, you get **111.2710, 53.1104, 45.3663**, and if you desaturate by 10%, it is **141.8830, 38.0187, 32.5516**.

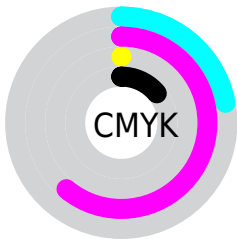
# Distribution



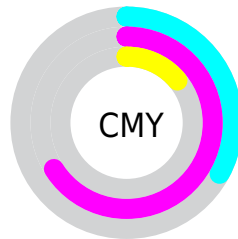
- Red (67%)
- Green (34%)
- Blue (86%)



- Red (67%)
- Yellow (34%)
- Blue (86%)



- Cyan (22%)
- Magenta (61%)
- Yellow (0%)
- Black (14%)



- Cyan (33%)
- Magenta (66%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 126.5770, 45.5645, 38.9590 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 126.5770, 45.5645, 38.9590 by changing the saturation by 10% instead.



126.5770, 45.5645,  
38.9590

126.5770, 45.5645,  
38.9590

255.0000, 0.0000,  
0.0000

99.1640, 45.2751,  
38.4442

179.7210, 37.1125,  
43.2177

70.5770, 45.5645,  
38.9590

203.3440, 25.4664,  
45.3023

41.5170, 46.5801,  
39.8886

220.3670, 17.0741,  
30.3731

30.1810, 39.3508,  
25.2743

236.8030, 8.9711,  
15.9588

19.2580, 32.4108,  
11.1747

254.4130, 0.2894,  
0.5148

6.9540, 26.6447,  
-6.0987

6.0930, 15.7302,

-5.3436

■ 2.2970, 6.2626,  
-2.0145

■ 0.0000, 0.0000,  
0.0000

■ 126.5770, 45.5645,  
38.9590

■ 126.5770, 45.5645,  
38.9590

■ 111.2710, 53.1104,  
45.3663

■ 141.8830, 38.0187,  
32.5516

■ 95.9650, 60.6563,  
51.7737

■ 157.1890, 30.4728,  
26.1442

■ 80.6590, 68.2021,  
58.1811

■ 172.4950, 22.9270,  
19.7369

■ 66.8260, 75.0218,  
64.1736

■ 187.8010, 15.3811,  
13.3295

■ 203.1070, 7.8352,  
6.9222

■ 217.5270, 0.7262,  
0.4148

■ 232.8330, -6.8197,  
-5.9925

■ 244.6170,  
-12.6292, -9.3111

■ 247.0090,  
-13.8084, -4.3929

# Harmonies

## Analogous

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



100.0970, 76.3672, -87.7851



126.5770, 45.5645, 38.9590



110.0660, 24.1245, 102.5511

# Triad

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



126.5770, 45.5645, 38.9590



118.0800, -58.2134, 51.6728



108.7520, 25.7583, -95.3755

# Complementary

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



126.5770, 45.5645, 38.9590



178.4230, -45.5645, -38.9590

# 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.



99.4840, -4.6756, -87.2475



126.5770, 45.5645, 38.9590



113.0540, -55.7356, 3.4606

# Square

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



126.5770, 45.5645, 38.9590



113.1280, -43.9401, 93.7267



86.0440, -40.9407, -75.4606



113.9450, 53.2711, -99.9298



# Rectangle

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



126.5770, 45.5645, 38.9590



100.0180, 6.8931, 122.7642



86.0440, -40.9407, -75.4606



105.5430, 16.0013, -92.5612

# Sweetspot

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



126.5770, 45.5645, 38.9590



222.9150, 15.8179, 13.2295



129.9250, 43.9140, -38.5222



107.6880, 10.0138, 8.1666



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.



126.5770, 45.5645, 38.9590



125.7850, 63.7030, 54.5626



138.8770, 30.6266, 70.2679



102.3470, 3.7729, 3.2037



52.9110, 59.2039, 50.9441



13.9150, 15.8179, 13.2295



# Inverse Universe

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



131.2390, 1.3612, 76.9664



132.2520, 1.8478, 107.6500



166.1230, -30.6266, -70.2679



102.7450, 0.1257, 6.3626



58.9090, 2.0169, 100.0578

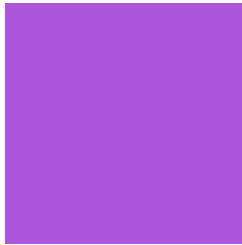


15.6920, 0.6448, 26.5801



# Previews

## White Background



This preview shows how the YUV color 126.5770, 45.5645, 38.9590 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

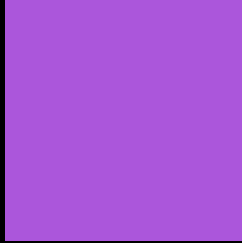
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the YUV color 126.5770, 45.5645, 38.9590 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

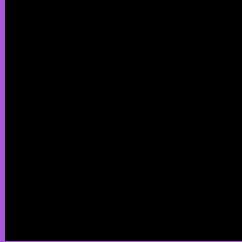
Any Text WCAG AA ✓ Pass

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 126.5770, 45.5645, 38.9590 Background



This preview shows how black text looks on a background with the YUV color 126.5770, 45.5645, 38.9590.



This preview shows how white text looks on a background with the YUV color 126.5770, 45.5645,



# 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

126.5770, 45.5645, 38.9590

### Protanopia

106.2730, 72.8294, -73.0304

### Deuteranopia

117.1520, 46.2671, -46.6143



## Tritanopia

126.5840, -2.2599, 24.9208

# Trichromacy



## Original Color

126.5770, 45.5645, 38.9590



## Protanomaly

113.8930, 62.6638, -32.3552



## Deuteranomaly

120.3500, 46.1695, -15.2159



## Tritanomaly

126.4980, 15.0375, 30.2583

# Monochromacy



## Original Color

126.5770, 45.5645, 38.9590



## Achromatopsia

127.0000, 0.0000, 0.0000



## Achromatomaly

126.7410, 16.3967, 14.2591

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 126.5770, 45.5645, 38.9590 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, 86, 219)` looks like.

```
.text, #text, p{  
    color:rgb(171, 86, 219)  
}
```

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, 86, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 86, 219) }
```

## Border

The CSS property to change the border of an element to YUV 126.5770, 45.5645, 38.9590 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, 86, 219) }
```



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

```
.border{ border-color:rgb(171, 86, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 86, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 86, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 86, 219);  
box-shadow:4px 4px 4px 4px rgb(171, 86,  
219) }
```

# Background

The CSS property to change the background color of an element to YUV 126.5770, 45.5645, 38.9590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 86, 219) }
```

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

```
.background{ background-color: rgb(171, 86,  
219) }
```

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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