

# Converting Colors

YUV(120.4870, 38.7069,  
45.1769)

Have a look what the booklet for  
YUV(120.4870, 38.7069, 45.1769)  
contains.

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# Color

**YUV(120.4870, 38.7069,  
45.1769)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AC4FC7
RGB	172, 79, 199
RGB Percent	67%, 31%, 78%
CMY	0.3255, 0.6902, 0.2196
CMYK	0.14, 0.60, 0.00, 0.22
HSL	286°, 52%, 55%
HSV	286°, 60%, 78%
XYZ	30.1180, 18.4861, 56.0136
YIQ	120.4870, 16.9080, 57.0360

# Conversions

## Conversions Part 2

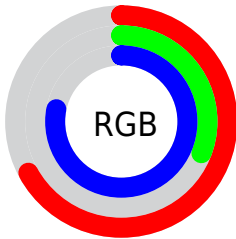
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	172, 79, 199
Decimal	11292615
CIE <sub>Lab</sub>	50.08, 56.05, -46.32
CIE <sub>LCh</sub>	50, 72.713, 320.428
Y <sub>xy</sub>	18.4861, 0.2879, 0.1767
Android (android.graphics.Color)	4289482695 (0xFFAC4FC7)
YUV	120.4870, 38.7069, 45.1769
Hunter-Lab	42.9955, 49.7958, -47.1449

# Details

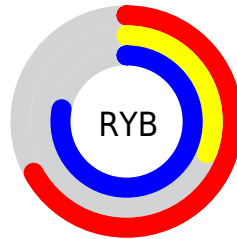
The YUV color **120.4870, 38.7069, 45.1769** is a dark color, and the websafe version is hex **CC66CC**. The color can be described as middle muted purple. A complement of this color would be **157.5130, -38.7069, -45.1769**, and the grayscale version is **120.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **175.9110, 38.9909, 47.4361**, and **62.8400, 40.0119, 46.6213** is the 20% darker color. If you saturate the color by 10%, you get **107.5510, 45.0844, 53.0138**, and if you desaturate by 10%, it is **133.4230, 32.3295, 37.3400**.

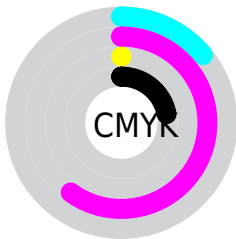
# Distribution



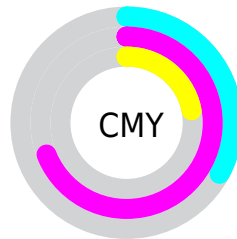
- Red (67%)
- Green (31%)
- Blue (78%)



- Red (67%)
- Yellow (31%)
- Blue (78%)



- Cyan (14%)
- Magenta (60%)
- Yellow (0%)
- Black (22%)



- Cyan (33%)
- Magenta (69%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 120.4870, 38.7069, 45.1769 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 120.4870, 38.7069, 45.1769 by changing the saturation by 10% instead.



120.4870, 38.7069,  
45.1769

120.4870, 38.7069,  
45.1769

255.0000, 0.0000,  
0.0000

93.0740, 38.4175,  
44.6621

175.9110, 38.9909,  
47.4361

62.8400, 40.0119,  
46.6213

199.2350, 27.4921,  
48.9059

40.0630, 38.4229,  
42.9177

216.2580, 19.0998,  
33.9767

29.1400, 31.4830,  
28.8182

232.6940, 10.9969,  
19.5624

19.8260, 24.2428,  
17.6926

249.7170, 2.6045,  
4.6332

5.1300, 19.6559,  
-4.4990

3.3230, 10.1938,

-2.9143

■ 0.0000, 0.0000,  
0.0000

■ 120.4870, 38.7069,  
45.1769

■ 120.4870, 38.7069,  
45.1769

■ 107.5510, 45.0844,  
53.0138

■ 133.4230, 32.3295,  
37.3400

■ 94.3160, 51.6092,  
60.2359

■ 146.6580, 25.8046,  
30.1179

■ 81.3800, 57.9867,  
68.0727

■ 159.5940, 19.4272,  
22.2811

■ 68.7320, 64.2221,  
74.7800

■ 172.8290, 12.9023,  
15.0590

■ 185.7650, 6.5249,  
7.2221

■ 198.4130, 0.2894,  
0.5148

■ 211.3490, -6.0881,  
-7.3221

■ 224.5840,  
-12.6129, -14.5442

■ 235.7590,  
-18.1222, -20.8366

# Harmonies

## Analogous

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



110.1040, 62.5597, -45.6952



120.4870, 38.7069, 45.1769



106.3120, 17.5942, 97.0734

# Triad

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



120.4870, 38.7069, 45.1769



112.1220, -55.2761, 42.8660



104.0560, 28.0734, -91.2571

# Complementary

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



120.4870, 38.7069, 45.1769



157.5130, -38.7069, -45.1769

# 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.



96.1730, 0.4077, -84.3437



120.4870, 38.7069, 45.1769



106.8190, -52.6618, -2.4723

# Square

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



120.4870, 38.7069, 45.1769



109.5950, -45.6493, 81.9162



85.3720, -28.2844, -74.8712



108.3370, 52.0919, -95.0115



# Rectangle

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



120.4870, 38.7069, 45.1769



101.2800, -0.6310, 109.3794



85.3720, -28.2844, -74.8712



101.6620, 18.9006, -89.1576

# Sweetspot

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



120.4870, 38.7069, 45.1769



225.0080, 14.7861, 17.5330



109.1160, 44.3128, -26.4117



108.8840, 9.4242, 10.6257



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.



120.4870, 38.7069, 45.1769



134.7330, 59.2916, 69.5172



124.9120, 20.7494, 64.9752



93.1190, 2.8993, 3.4036



56.2560, 52.6248, 61.1655



12.4760, 11.5973, 13.6145



# Inverse Universe

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



117.9580, -5.8953, 71.0738



130.8040, -8.7774, 108.9199



153.0880, -20.7494, -64.9752



92.9190, -0.4531, 5.3330



52.9550, -7.8658, 96.5095



11.6760, -1.8123, 21.3321



# Previews

## White Background



This preview shows how the YUV color 120.4870, 38.7069, 45.1769 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

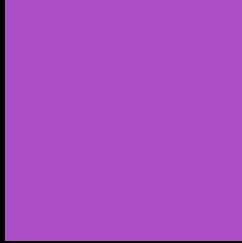
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the YUV color 120.4870, 38.7069, 45.1769 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

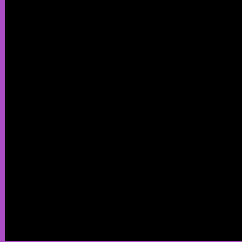
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 120.4870, 38.7069, 45.1769

## Background



This preview shows how black text looks on a background with the YUV color 120.4870, 38.7069, 45.1769.



This preview shows how white text looks on a background with the YUV color 120.4870, 38.7069, 45.1769.



# 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

120.4870, 38.7069, 45.1769

### Protanopia

108.3370, 62.4449, -55.5465

### Deuteranopia

115.6500, 37.6405, -33.0191



## Tritanopia

121.5420, -5.1972, 33.7277

# Trichromacy



## Original Color

120.4870, 38.7069, 45.1769



## Protanomaly

112.9780, 53.7478, -19.2747



## Deuteranomaly

117.3530, 38.2800, -4.6946



## Tritanomaly

121.1030, 10.7952, 37.6207

# Monochromacy



## Original Color

120.4870, 38.7069, 45.1769



## Achromatopsia

120.0000, 0.0000, 0.0000



## Achromatomaly

120.1820, 14.2073, 16.5034

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 120.4870, 38.7069, 45.1769 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(172, 79, 199)` looks like.

```
.text, #text, p{  
    color:rgb(172, 79, 199)  
}
```

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(172, 79, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 79, 199) }
```

## Border

The CSS property to change the border of an element to YUV 120.4870, 38.7069, 45.1769 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(172, 79, 199) }
```



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

```
.border{ border-color:rgb(172, 79, 199) }
```

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

Here you see how a box with a 4 pixel rgb(172, 79, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 79, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 79, 199);  
box-shadow:4px 4px 4px 4px rgb(172, 79,  
199) }
```

# Background

The CSS property to change the background color of an element to YUV 120.4870, 38.7069, 45.1769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 79, 199) }
```

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

```
.background{ background-color: rgb(172, 79,  
199) }
```

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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