

# Converting Colors

YUV(118.4820, 49.5554,  
18.8713)

Have a look what the booklet for  
YUV(118.4820, 49.5554, 18.8713)  
contains.

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# Color

**YUV(118.4820, 49.5554,  
18.8713)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8C58DB
RGB	140, 88, 219
RGB Percent	55%, 35%, 86%
CMY	0.4510, 0.6549, 0.1412
CMYK	0.36, 0.60, 0.00, 0.14
HSL	264°, 65%, 60%
HSV	264°, 60%, 86%
XYZ	27.0911, 17.6694, 69.0005
YIQ	118.4820, -11.0590, 51.7650

# Conversions

## Conversions Part 2

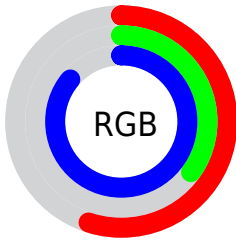
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	140, 88, 219
Decimal	9197787
CIE Lab	49.09, 48.48, -59.56
CIE LCh	49, 76.797, 309.146
Yxy	17.6694, 0.2381, 0.1553
Android (android.graphics.Color)	4287387867 (0xFF8C58DB)
YUV	118.4820, 49.5554, 18.8713
Hunter-Lab	42.0349, 41.4804, -67.9003

# Details

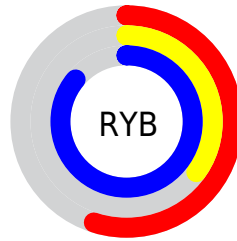
The YUV color **118.4820, 49.5554, 18.8713** is a dark color, and the websafe version is hex **9966FF**. The color can be described as middle muted purple. A complement of this color would be **188.5180, -49.5554, -18.8713**, and the grayscale version is **118.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **170.4520, 41.6822, 24.1596**, and **65.7050, 47.9664, 15.1677** is the 20% darker color. If you saturate the color by 10%, you get **101.6810, 57.8383, 22.2048**, and if you desaturate by 10%, it is **135.2830, 41.2725, 15.5378**.

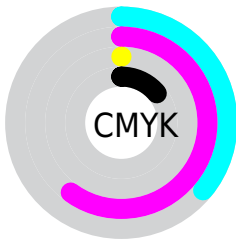
# Distribution



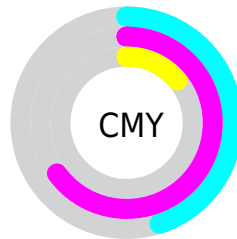
- Red (55%)
- Green (35%)
- Blue (86%)



- Red (55%)
- Yellow (35%)
- Blue (86%)



- Cyan (36%)
- Magenta (60%)
- Yellow (0%)
- Black (14%)



- Cyan (45%)
- Magenta (65%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 118.4820, 49.5554, 18.8713 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 118.4820, 49.5554, 18.8713 by changing the saturation by 10% instead.



■ 118.4820, 49.5554,  
18.8713

■ 118.4820, 49.5554,  
18.8713

■ 255.0000, 0.0000,  
0.0000

■ 92.2430, 48.6872,  
17.3269

■ 170.4520, 41.6822,  
24.1596

■ 65.7050, 47.9664,  
15.1677

■ 194.9720, 29.5938,  
28.0886

■ 37.5200, 48.5506,  
14.4530

■ 219.7800, 17.3635,  
30.8879

■ 17.3240, 45.6893,  
-1.1611

■ 236.2160, 9.2605,  
16.4736

■ 9.6900, 37.1278,  
-8.4981

■ 253.2390, 0.8682,  
1.5444

■ 9.8890, 25.1977,  
-8.6727

■ 5.5060, 16.0195,

-4.8288

■ 2.2970, 6.2626,  
-2.0145

■ 0.0000, 0.0000,  
0.0000

■ 118.4820, 49.5554,  
18.8713

■ 118.4820, 49.5554,  
18.8713

■ 101.6810, 57.8383,  
22.2048

■ 135.2830, 41.2725,  
15.5378

■ 84.8800, 66.1212,  
25.5382

■ 152.0840, 32.9896,  
12.2043

■ 67.7800, 74.5515,  
28.2569

■ 169.1840, 24.5593,  
9.4856

■ 50.9790, 82.8344,  
31.5904

■ 185.9850, 16.2764,  
6.1522

■ 202.1990, 8.2829,  
3.3335

■ 219.0000, 0.0000,  
0.0000

■ 235.8010, -8.2829,  
-3.3335

■ 248.2050,  
-14.3981, -1.9338

■ 250.8960,  
-15.7247, 3.5992

# Harmonies

## Analogous

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



98.0110, 73.4516, -85.9556



118.4820, 49.5554, 18.8713



105.8300, 28.6778, 88.7261

# Triad

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



118.4820, 49.5554, 18.8713



109.5740, -54.0200, 60.0096



100.0320, 17.7322, -87.7281

# Complementary

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



118.4820, 49.5554, 18.8713



188.5180, -49.5554, -18.8713

# 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.



90.4050, -11.5387, -79.2852



118.4820, 49.5554, 18.8713



107.5160, -53.0054, 14.4565

# Square

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



118.4820, 49.5554, 18.8713



102.4350, -32.7525, 98.7195



92.1130, -45.4117, -41.3181



106.5130, 45.1031, -93.4119



# Rectangle

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



118.4820, 49.5554, 18.8713



87.6400, 16.9395, 120.4647



92.1130, -45.4117, -41.3181



97.4100, 7.6859, -85.4286

# Sweetspot

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



118.4820, 49.5554, 18.8713



219.6260, 17.4394, 6.4670



150.4810, 33.7799, -54.7958



105.8940, 10.8983, 4.4780



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.



118.4820, 49.5554, 18.8713



113.8030, 69.6101, 26.4828



137.6180, 40.1213, 58.2170



101.4500, 4.2151, 1.3593



40.3530, 65.3950, 25.1234



10.6260, 17.4394, 6.4670



# Inverse Universe

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



136.1750, 15.1967, 72.6375



138.6700, 21.3617, 102.0214



169.3820, -40.1213, -58.2170



102.9730, 0.9993, 6.1627



63.6970, 20.3624, 95.8587

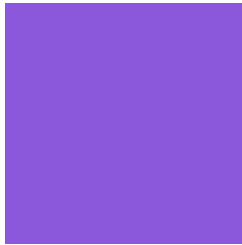


16.9460, 5.4496, 25.4804



# Previews

## White Background



This preview shows how the YUV color 118.4820, 49.5554, 18.8713 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

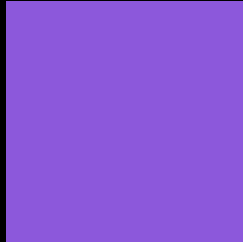
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 118.4820, 49.5554, 18.8713 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

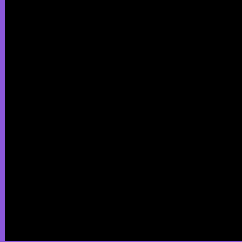
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 118.4820, 49.5554, 18.8713

## Background



This preview shows how black text looks on a background with the YUV color 118.4820, 49.5554, 18.8713.



This preview shows how white text looks on a background with the YUV color 118.4820, 49.5554, 18.8713.



# 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

118.4820, 49.5554, 18.8713

### Protanopia

92.9900, 71.9829, -81.5522

### Deuteranopia

93.7930, 57.2901, -82.2565



## Tritanopia

117.5210, 3.1941, 2.1741

# Trichromacy



## Original Color

118.4820, 49.5554, 18.8713



## Protanomaly

102.1580, 64.0121, -44.8656



## Deuteranomaly

102.9270, 54.2660, -45.5400



## Tritanomaly

117.7340, 20.3441, 8.1263

# Monochromacy



## Original Color

118.4820, 49.5554, 18.8713



## Achromatopsia

118.0000, 0.0000, 0.0000



## Achromatomaly

118.1530, 18.1656, 6.8818

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 118.4820, 49.5554, 18.8713 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(140, 88, 219)` looks like.

```
.text, #text, p{  
    color:rgb(140, 88, 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(140, 88, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 88, 219) }
```

## Border

The CSS property to change the border of an element to YUV 118.4820, 49.5554, 18.8713 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(140, 88, 219) }
```



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

```
.border{ border-color:rgb(140, 88, 219) }
```

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

Here you see how a box with a 4 pixel rgb(140, 88, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 88, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 88, 219);  
box-shadow:4px 4px 4px 4px rgb(140, 88,  
219) }
```

# Background

The CSS property to change the background color of an element to YUV 118.4820, 49.5554, 18.8713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 88, 219) }
```

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

```
.background{ background-color: rgb(140, 88,  
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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