

# Converting Colors

YUV(118.8970, 49.8438,  
-27.0967)

Have a look what the booklet for  
YUV(118.8970, 49.8438, -27.0967)  
contains.

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# Color

**YUV(118.8970, 49.8438,  
-27.0967)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5873DC
RGB	88, 115, 220
RGB Percent	35%, 45%, 86%
CMY	0.6549, 0.5490, 0.1373
CMYK	0.60, 0.48, 0.00, 0.14
HSL	228°, 65%, 60%
HSV	228°, 60%, 86%
XYZ	23.0735, 19.5035, 70.2586
YIQ	118.8970, -49.7970, 26.9310

# Conversions

## Conversions Part 2

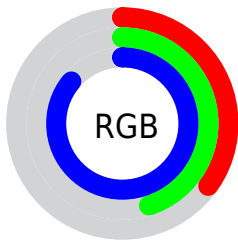
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	88, 110, 220
Decimal	5796828
CIE <sub>Lab</sub>	51.27, 21.95, -56.84
CIE <sub>LCh</sub>	51, 60.932, 291.112
Yxy	19.5035, 0.2045, 0.1728
Android (android.graphics.Color)	4283986908 (0xFF5873DC)
YUV	118.8970, 49.8438, -27.0967
Hunter-Lab	44.1627, 15.9753, -63.4106

# Details

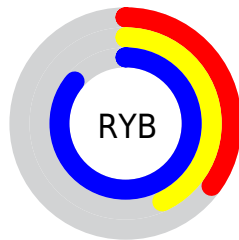
The YUV color **118.8970, 49.8438, -27.0967** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **189.1030, -49.8438, 27.0967**, and the grayscale version is **118.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **171.3510, 41.2390, -20.4788**, and **58.6120, 51.9563, -51.4027** is the 20% darker color. If you saturate the color by 10%, you get **102.3400, 58.0064, -31.8702**, and if you desaturate by 10%, it is **136.0410, 41.3918, -22.8380**.

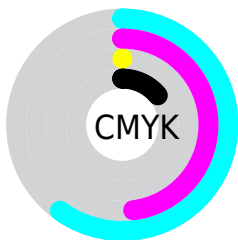
# Distribution



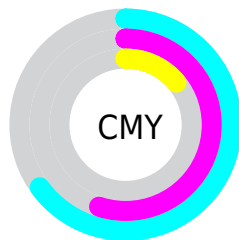
- Red (35%)
- Green (45%)
- Blue (86%)



- Red (35%)
- Yellow (43%)
- Blue (86%)



- Cyan (60%)
- Magenta (48%)
- Yellow (0%)
- Black (14%)



- Cyan (65%)
- Magenta (55%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 118.8970, 49.8438, -27.0967 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 118.8970, 49.8438, -27.0967 by changing the saturation by 10% instead.



■ 118.8970, 49.8438,  
-27.0967

■ 118.8970, 49.8438,  
-27.0967

255.0000, 0.0000,  
0.0000

■ 91.7500, 49.4232,  
-32.2298

■ 171.3510, 41.2390,  
-20.4788

■ 58.6120, 51.9563,  
-51.4027

■ 195.8710, 29.1506,  
-16.5499

■ 42.6200, 46.5293,  
-37.3777

■ 220.6900, 16.9148,  
-12.0061

■ 28.5030, 40.6710,  
-24.9971

■ 246.6830, 4.1003,  
-8.4920

■ 9.8040, 37.5646,  
-8.5981

■ 10.5900, 25.3451,  
-9.2874

■ 6.2070, 16.1669,

-5.4435

■ 2.5250, 7.1362,  
-2.2144

■ 0.0000, 0.0000,  
0.0000

■ 118.8970, 49.8438,  
-27.0967

■ 118.8970, 49.8438,  
-27.0967

■ 102.3400, 58.0064,  
-31.8702

■ 136.0410, 41.3918,  
-22.8380

■ 85.1960, 66.4584,  
-36.1289

■ 152.5980, 33.2292,  
-18.0644

■ 68.6390, 74.6210,  
-40.9024

■ 169.7420, 24.7772,  
-13.8057

■ 51.4950, 83.0730,  
-45.1611

■ 186.2990, 16.6146,  
-9.0322

■ 203.4430, 8.1626,  
-4.7735

■ 220.0000, 0.0000,  
0.0000

■ 237.1440, -8.4520,  
4.2587

■ 251.0100,  
-15.2879, 3.4992

# Harmonies

## Analogous

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



103.7210, 59.7905, -90.9633



118.8970, 49.8438, -27.0967



125.3800, 30.8717, 38.2547

# Triad

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



118.8970, 49.8438, -27.0967



117.1680, -38.0438, 69.1357



96.9710, 3.4653, -85.0436

# Complementary

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



118.8970, 49.8438, -27.0967



189.1030, -49.8438, 27.0967

# 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.



99.7690, -23.5501, -53.2944



118.8970, 49.8438, -27.0967



114.7580, -56.5757, 39.6772

# Square

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



118.8970, 49.8438, -27.0967



115.6950, -13.6536, 86.2135



110.3850, -54.4198, 1.4164



103.7140, 26.7630, -90.9572



# Rectangle

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



118.8970, 49.8438, -27.0967



121.1250, 17.6864, 67.4194



110.3850, -54.4198, 1.4164



94.3320, -4.1077, -82.7292

# Sweetspot

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



118.8970, 49.8438, -27.0967



219.5270, 17.4882, -9.2322



177.2260, 6.7906, -78.2512



105.8280, 10.9308, -5.9882



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.



118.8970, 49.8438, -27.0967



114.2820, 69.3740, -37.9583



114.1110, 52.2033, 9.5497



101.4280, 4.2260, -2.1294



40.2670, 65.4374, -35.3142



10.5270, 17.4882, -9.2322



# Inverse Universe

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



130.5460, -7.6642, 78.4512



130.3480, -10.5246, 109.3198



193.8890, -52.2033, -9.5497



102.5170, -0.7479, 6.5626



55.7170, -10.2135, 102.8572



14.7800, -2.8495, 27.3799



# Previews

## White Background



This preview shows how the YUV color 118.8970, 49.8438, -27.0967 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

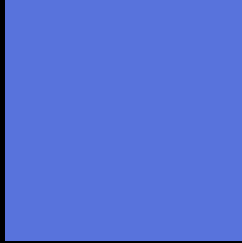
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 118.8970, 49.8438, -27.0967 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

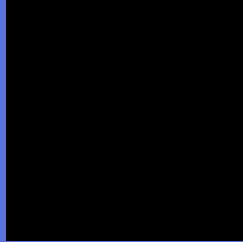
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 118.8970, 49.8438, -27.0967

## Background



This preview shows how black text looks on a background with the YUV color 118.8970, 49.8438, -27.0967.



This preview shows how white text looks on a background with the YUV color 118.8970, 49.8438, -27.0967.



# 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

118.8970, 49.8438, -27.0967

### Protanopia

115.0200, 53.2341, -41.2365

### Deuteranopia

104.8160, 55.7997, -70.8756



**Tritanopia**

110.3340, 16.5973, -50.2819

# Trichromacy



## Original Color

118.8970, 49.8438, -27.0967

## Protanomaly

116.4120, 52.0549, -36.3183

## Deuteranomaly

110.0460, 53.7143, -55.2913

## Tritanomaly

113.3040, 28.9371, -41.4856

# Monochromacy



## Original Color

118.8970, 49.8438, -27.0967

## Achromatopsia

119.0000, 0.0000, 0.0000

## Achromatomaly

119.3420, 18.0724, -9.9469

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 118.8970, 49.8438, -27.0967 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(88, 115, 220)` looks like.

```
.text, #text, p{  
    color:rgb(88, 115, 220)  
}
```

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(88, 115, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 115, 220) }
```

## Border

The CSS property to change the border of an element to YUV 118.8970, 49.8438, -27.0967 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(88, 115, 220) }
```



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

```
.border{ border-color:rgb(88, 115, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 115, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 115, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 115, 220);  
box-shadow:4px 4px 4px 4px rgb(88, 115,  
220) }
```

# Background

The CSS property to change the background color of an element to YUV 118.8970, 49.8438, -27.0967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 115, 220) }
```

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

```
.background{ background-color: rgb(88, 115,  
220) }
```

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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