

# Converting Colors

YUV(121.6770, 30.2322, 9.9303)

Have a look what the booklet for  
YUV(121.6770, 30.2322, 9.9303)  
contains.

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# Color

**YUV(121.6770, 30.2322,  
9.9303)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8568B7
RGB	133, 104, 183
RGB Percent	52%, 41%, 72%
CMY	0.4784, 0.5922, 0.2824
CMYK	0.27, 0.43, 0.00, 0.28
HSL	262°, 35%, 56%
HSV	262°, 43%, 72%
XYZ	23.1704, 18.3061, 47.1120
YIQ	121.6770, -8.0750, 30.7170

# Conversions

## Conversions Part 2

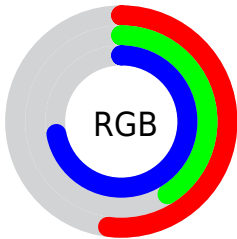
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	133, 104, 183
Decimal	8743095
CIE Lab	49.87, 28.44, -37.71
CIE LCh	50, 47.234, 307.026
Yxy	18.3061, 0.2616, 0.2066
Android (android.graphics.Color)	4286933175 (0xFF8568B7)
YUV	121.6770, 30.2322, 9.9303
Hunter-Lab	42.7856, 21.7914, -35.3353

# Details

The YUV color **121.6770, 30.2322, 9.9303** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **165.3230, -30.2322, -9.9303**, and the grayscale version is **121.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **175.0300, 31.5372, 11.3747**, and **71.9110, 28.6379, 7.9711** is the 20% darker color. If you saturate the color by 10%, you get **107.5230, 37.2102, 11.8193**, and if you desaturate by 10%, it is **135.8310, 23.2543, 8.0412**.

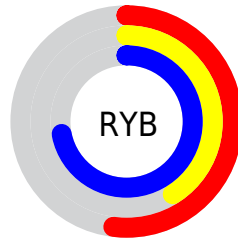
# Distribution



Red (52%)

Green (41%)

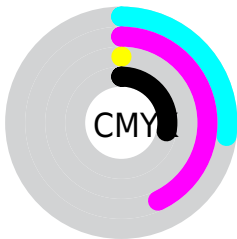
Blue (72%)



Red (52%)

Yellow (41%)

Blue (72%)

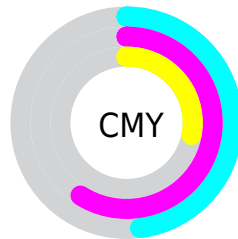


Cyan (27%)

Magenta (43%)

Yellow (0%)

Black (28%)



Cyan (48%)

Magenta (59%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 121.6770, 30.2322, 9.9303 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 121.6770, 30.2322, 9.9303 by changing the saturation by 10% instead.



■ 121.6770, 30.2322,  
9.9303

■ 121.6770, 30.2322,  
9.9303

■ 255.0000, 0.0000,  
0.0000

■ 96.7370, 29.2167,  
9.0007

■ 175.0300, 31.5372,  
11.3747

■ 71.9110, 28.6379,  
7.9711

■ 201.0750, 26.5850,  
13.0892

■ 48.2590, 27.4803,  
5.9119

■ 225.5950, 14.4967,  
17.0182

■ 25.0200, 26.6121,  
4.3675

■ 245.6080, 4.6303,  
8.2368

■ 9.6730, 22.8392,  
1.1638

■ 5.0500, 14.2723,  
-4.4289

■ 0.7980, 3.0576,

-0.6998

■ 0.0000, 0.0000,  
0.0000

■ 121.6770, 30.2322,  
9.9303

■ 121.6770, 30.2322,  
9.9303

■ 107.5230, 37.2102,  
11.8193

■ 135.8310, 23.2543,  
8.0412

■ 93.0810, 44.3301,  
14.8380

■ 150.2730, 16.1344,  
5.0226

■ 78.9270, 51.3080,  
16.7270

■ 164.4270, 9.1565,  
3.1335

■ 65.0720, 58.1385,  
19.2309

■ 178.2820, 2.3260,  
0.6297

■ 50.3310, 65.4058,  
21.6347

■ 192.4360, -4.6519,  
-1.2594

■ 40.8950, 70.0578,  
22.8941

■ 206.8780,  
-11.7719, -4.2780

■ 221.0320,  
-18.7498, -6.1671

■ 235.1860,  
-25.7277, -8.0561

■ 241.4100,  
-28.7961, -3.8676

# Harmonies

## Analogous

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



109.1580, 43.7991, -48.3736



121.6770, 30.2322, 9.9303



121.1950, 14.6939, 47.1870

# Triad

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



121.6770, 30.2322, 9.9303



115.8720, -35.9259, 43.0853



95.4840, 15.5374, -83.7395

# Complementary

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



121.6770, 30.2322, 9.9303



165.3230, -30.2322, -9.9303

# 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.



92.3270, -3.1192, -73.0778



121.6770, 30.2322, 9.9303



113.2570, -40.0597, 15.5606

# Square

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



121.6770, 30.2322, 9.9303



116.9510, -22.1608, 61.4330



108.7350, -28.4634, -17.3076



99.3430, 32.8619, -87.1238



# Rectangle

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



121.6770, 30.2322, 9.9303



118.7810, 2.5730, 61.5821



108.7350, -28.4634, -17.3076



93.8880, 9.4222, -82.3398

# Sweetspot

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



121.6770, 30.2322, 9.9303



213.1220, 11.7719, 4.2780



142.3560, 20.0375, -33.6382



105.2590, 7.2673, 2.4039



247.0000, 0.0000, 0.0000



120.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



121.6770, 30.2322, 9.9303



141.4770, 47.0928, 15.3677



133.3380, 24.4834, 33.9066



84.9230, 3.4890, 0.9445



34.8270, 59.7383, 19.4457



6.1820, 10.7563, 3.3484



# Inverse Universe

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



133.3210, 10.1947, 43.5685



159.6690, 15.9392, 67.8193



153.6620, -24.4834, -33.9066



86.2610, 0.8573, 5.0331



57.8160, 19.8107, 86.1074



10.4240, 3.7350, 15.4142



# Previews

## White Background



This preview shows how the YUV color 121.6770, 30.2322, 9.9303 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

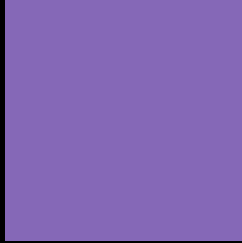
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 121.6770, 30.2322, 9.9303 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

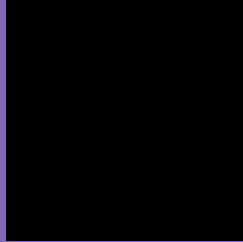
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 121.6770, 30.2322, 9.9303

## Background



This preview shows how black text looks on a background with the YUV color 121.6770, 30.2322, 9.9303.



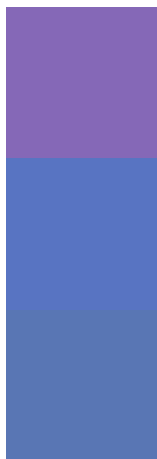
This preview shows how white text looks on a background with the YUV color 121.6770, 30.2322, 9.9303.



# 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

121.6770, 30.2322, 9.9303

### Protanopia

116.5200, 38.1976, -25.0120

### Deuteranopia

116.3970, 31.3563, -24.0272



## Tritanopia

119.5210, 3.1941, 2.1741

# Trichromacy



## Original Color

121.6770, 30.2322, 9.9303

## Protanomaly

118.5000, 35.2495, -12.7165

## Deuteranomaly

118.3600, 30.8815, -11.7167

## Tritanomaly

120.1760, 13.2242, 5.1076

# Monochromacy



## Original Color

121.6770, 30.2322, 9.9303

## Achromatopsia

122.0000, 0.0000, 0.0000

## Achromatomaly

121.5950, 11.0457, 3.8632

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 121.6770, 30.2322, 9.9303 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(133, 104, 183)` looks like.

```
.text, #text, p{  
    color:rgb(133, 104, 183)  
}
```

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(133, 104, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 104, 183) }
```

## Border

The CSS property to change the border of an element to YUV 121.6770, 30.2322, 9.9303 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(133, 104, 183) }
```



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

```
.border{ border-color:rgb(133, 104, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 104, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 104, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 104, 183); box-shadow:4px 4px 4px 4px rgb(133, 104, 183) }
```

# Background

The CSS property to change the background color of an element to YUV 121.6770, 30.2322, 9.9303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 104, 183) }
```

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

```
.background{ background-color: rgb(133,  
104, 183) }
```

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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