

# Converting Colors

YUV(122.5670, 40.6395,  
31.9517)

Have a look what the booklet for  
YUV(122.5670, 40.6395, 31.9517)  
contains.

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# Color

**YUV(122.5670, 40.6395,  
31.9517)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F58CD
RGB	159, 88, 205
RGB Percent	62%, 35%, 80%
CMY	0.3765, 0.6549, 0.1961
CMYK	0.22, 0.57, 0.00, 0.20
HSL	276°, 54%, 57%
HSV	276°, 57%, 80%
XYZ	28.8072, 18.7582, 59.8600
YIQ	122.5670, 4.7590, 51.4390

# Conversions

## Conversions Part 2

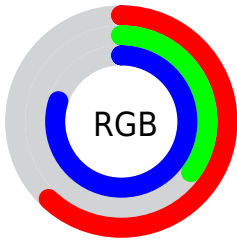
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	159, 88, 205
Decimal	10442957
CIE <sub>Lab</sub>	50.40, 49.64, -49.35
CIE <sub>LCh</sub>	50, 69.998, 315.166
Yxy	18.7582, 0.2682, 0.1746
Android (android.graphics.Color)	4288633037 (0xFF9F58CD)
YUV	122.5670, 40.6395, 31.9517
Hunter-Lab	43.3107, 42.9320, -51.6276

# Details

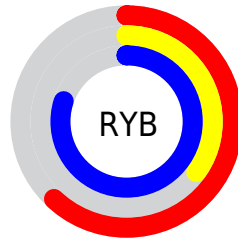
The YUV color **122.5670, 40.6395, 31.9517** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **170.4330, -40.6395, -31.9517**, and the grayscale version is **122.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **176.4210, 38.7394, 34.7108**, and **69.3280, 39.7713, 30.4073** is the 20% darker color. If you saturate the color by 10%, you get **108.4350, 47.6065, 37.3295**, and if you desaturate by 10%, it is **137.2860, 33.3830, 26.0592**.

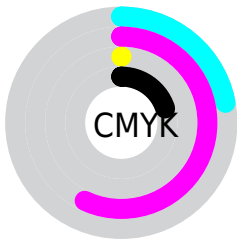
# Distribution



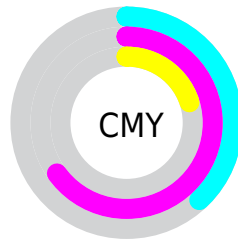
- Red (62%)
- Green (35%)
- Blue (80%)



- Red (62%)
- Yellow (35%)
- Blue (80%)



- Cyan (22%)
- Magenta (57%)
- Yellow (0%)
- Black (20%)



- Cyan (38%)
- Magenta (65%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 122.5670, 40.6395, 31.9517 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 122.5670, 40.6395, 31.9517 by changing the saturation by 10% instead.



■ 122.5670, 40.6395,  
31.9517

■ 122.5670, 40.6395,  
31.9517

255.0000, 0.0000,  
0.0000

■ 95.7410, 40.0607,  
30.9221

■ 176.4210, 38.7394,  
34.7108

■ 69.3280, 39.7713,  
30.4073

■ 201.2400, 26.5037,  
39.2545

■ 38.9200, 41.9444,  
33.3962

■ 220.3670, 17.0741,  
30.3731

■ 26.1220, 35.4359,  
20.9410

■ 236.8030, 8.9711,  
15.9588

■ 16.2100, 28.4905,  
8.5858

254.4130, 0.2894,  
0.5148

■ 5.7000, 21.8399,  
-4.9989

■ 3.7790, 11.9410,

-3.3142

■ 0.0000, 0.0000,  
0.0000

■ 122.5670, 40.6395,  
31.9517

■ 122.5670, 40.6395,  
31.9517

■ 108.4350, 47.6065,  
37.3295

■ 137.2860, 33.3830,  
26.0592

■ 93.7160, 54.8630,  
43.2221

■ 151.4180, 26.4159,  
20.6814

■ 79.5840, 61.8301,  
48.5998

■ 166.1370, 19.1595,  
14.7889

■ 64.8650, 69.0866,  
54.4924

■ 180.2690, 12.1924,  
9.4111

■ 60.4460, 71.2651,  
55.7369

■ 194.9880, 4.9359,  
3.5185

■ 209.1200, -2.0312,  
-1.8592

■ 223.8390, -9.2876,  
-7.7518

■ 237.9710,  
-16.2547, -13.1296

■ 242.4230,  
-18.4495, -9.1410

# Harmonies

## Analogous

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



95.5830, 69.2256, -83.8263



122.5670, 40.6395, 31.9517



112.4030, 19.5213, 85.5926

# Triad

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



122.5670, 40.6395, 31.9517



112.7530, -55.5872, 49.3286



102.8020, 23.2686, -90.1574

# Complementary

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



122.5670, 40.6395, 31.9517



170.4330, -40.6395, -31.9517

# 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.



94.4460, -3.6709, -82.8291



122.5670, 40.6395, 31.9517



109.5320, -53.9993, 6.5494

# Square

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



122.5670, 40.6395, 31.9517



111.0820, -37.5084, 84.1201



94.6480, -36.8015, -49.6803



107.7840, 47.4345, -94.5266



# Rectangle

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



122.5670, 40.6395, 31.9517



106.4470, 2.7376, 102.2170



94.6480, -36.8015, -49.6803



100.4080, 14.0959, -88.0578

# Sweetspot

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



122.5670, 40.6395, 31.9517



224.6760, 14.9497, 11.6851



128.9270, 37.5040, -35.8930



109.4490, 9.1456, 6.6222



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.



122.5670, 40.6395, 31.9517



133.1170, 60.0883, 47.2554



134.9530, 28.6172, 61.4312



94.9340, 3.4835, 2.6889



49.1230, 57.6204, 45.4961



11.2090, 13.2080, 10.3407



# Inverse Universe

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



128.2270, 2.8461, 67.3299



141.4790, 4.2009, 99.5579



158.0470, -28.6172, -61.4312



95.4460, 0.2731, 5.7479



57.0440, 3.9223, 95.5544

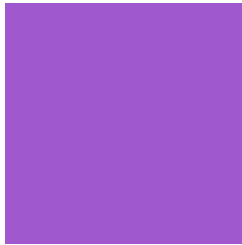


13.0720, 0.9505, 21.8619



# Previews

## White Background



This preview shows how the YUV color 122.5670, 40.6395, 31.9517 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

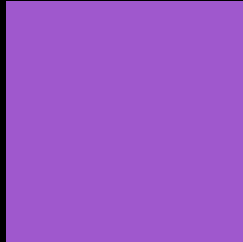
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the YUV color 122.5670, 40.6395, 31.9517 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

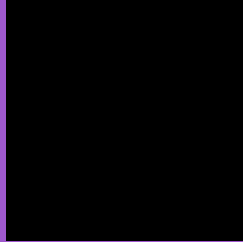
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 122.5670, 40.6395, 31.9517

## Background



This preview shows how black text looks on a background with the YUV color 122.5670, 40.6395, 31.9517.



This preview shows how white text looks on a background with the YUV color 122.5670, 40.6395,



# 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

122.5670, 40.6395, 31.9517

### Protanopia

109.9030, 60.6868, -51.6579

### Deuteranopia

114.6430, 41.5880, -39.1519



## Tritanopia

122.0780, -1.5175, 20.1026

# Trichromacy



## Original Color

122.5670, 40.6395, 31.9517

## Protanomaly

114.5540, 53.4639, -21.5339

## Deuteranomaly

117.3950, 41.2173, -13.5014

## Tritanomaly

122.4110, 13.6014, 24.1956

# Monochromacy



## Original Color

122.5670, 40.6395, 31.9517

## Achromatopsia

123.0000, 0.0000, 0.0000

## Achromatomaly

122.6760, 14.9497, 11.6851

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 122.5670, 40.6395, 31.9517 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(159, 88, 205)` looks like.

```
.text, #text, p{  
    color:rgb(159, 88, 205)  
}
```

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(159, 88, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 88, 205) }
```

## Border

The CSS property to change the border of an element to YUV 122.5670, 40.6395, 31.9517 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(159, 88, 205) }
```



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

```
.border{ border-color:rgb(159, 88, 205) }
```

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

Here you see how a box with a 4 pixel rgb(159, 88, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 88, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 88, 205);  
box-shadow:4px 4px 4px 4px rgb(159, 88,  
205) }
```

# Background

The CSS property to change the background color of an element to YUV 122.5670, 40.6395, 31.9517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 88, 205) }
```

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

```
.background{ background-color: rgb(159, 88,  
205) }
```

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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