

# Converting Colors

YUV(119.9680, 42.4138,  
22.8301)

Have a look what the booklet for  
YUV(119.9680, 42.4138, 22.8301)  
contains.

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# Color

**YUV(119.9680, 42.4138,  
22.8301)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	925ACE
RGB	146, 90, 206
RGB Percent	57%, 35%, 81%
CMY	0.4275, 0.6471, 0.1922
CMYK	0.29, 0.56, 0.00, 0.19
HSL	269°, 54%, 58%
HSV	269°, 56%, 81%
XYZ	26.6508, 17.8796, 60.4390
YIQ	119.9680, -3.8600, 47.9480

# Conversions

## Conversions Part 2

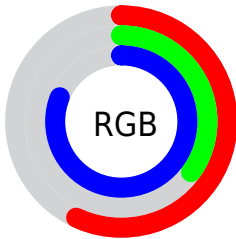
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">146, 90, 206</a>
Decimal	<a href="#">9591502</a>
CIELab	<a href="#">49.35, 45.58, -51.70</a>
CIELCh	<a href="#">49, 68.921, 311.403</a>
Yxy	<a href="#">17.8796, 0.2539, 0.1703</a>
Android (android.graphics.Color)	<a href="#">4287781582 (0xFF925ACE)</a>
YUV	<a href="#">119.9680, 42.4138, 22.8301</a>
Hunter-Lab	<a href="#">42.2842, 38.5072, -55.1472</a>

# Details

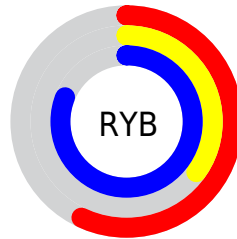
The YUV color **119.9680, 42.4138, 22.8301** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **176.0320, -42.4138, -22.8301**, and the grayscale version is **120.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **173.1210, 40.3663, 26.2039**, and **67.9030, 40.9668, 20.2561** is the 20% darker color. If you saturate the color by 10%, you get **104.3520, 50.1125, 26.8783**, and if you desaturate by 10%, it is **135.5840, 34.7151, 18.7818**.

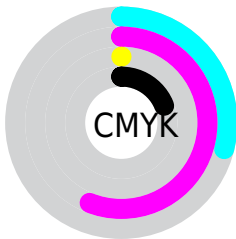
# Distribution



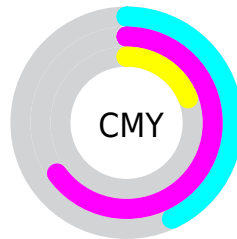
- Red (57%)
- Green (35%)
- Blue (81%)



- Red (57%)
- Yellow (35%)
- Blue (81%)



- Cyan (29%)
- Magenta (56%)
- Yellow (0%)
- Black (19%)



- Cyan (43%)
- Magenta (65%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 119.9680, 42.4138, 22.8301 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 119.9680, 42.4138, 22.8301 by changing the saturation by 10% instead.



■ 119.9680, 42.4138,  
22.8301

■ 119.9680, 42.4138,  
22.8301

255.0000, 0.0000,  
0.0000

■ 93.7290, 41.5456,  
21.2857

■ 173.1210, 40.3663,  
26.2039

■ 67.9030, 40.9668,  
20.2561

■ 197.6410, 28.2780,  
30.1328

■ 40.9030, 40.9668,  
20.2561

■ 220.9540, 16.7847,  
29.8583

■ 21.7510, 38.0838,  
11.6194

■ 237.3900, 8.6817,  
15.4440

■ 10.5290, 31.2912,  
-3.0949

254.4130, 0.2894,  
0.5148

■ 8.1620, 21.1191,  
-7.1581

■ 4.4800, 12.0884,

-3.9290

■ 0.0000, 0.0000,  
0.0000

■ 119.9680, 42.4138,  
22.8301

■ 119.9680, 42.4138,  
22.8301

■ 104.3520, 50.1125,  
26.8783

■ 135.5840, 34.7151,  
18.7818

■ 89.6220, 57.3744,  
31.0265

■ 150.3140, 27.4532,  
14.6336

■ 74.0060, 65.0730,  
35.0747

■ 165.9300, 19.7545,  
10.5854

■ 58.9770, 72.4823,  
38.6082

■ 180.9590, 12.3452,  
7.0520

■ 53.0850, 75.3871,  
40.2675

■ 196.2760, 4.7939,  
2.3889

■ 211.8920, -2.9048,  
-1.6593

■ 226.9210,  
-10.3141, -5.1927

■ 242.2380,  
-17.8653, -9.8557

■ 245.5270,  
-19.4868, -3.0932

# Harmonies

## Analogous

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



95.2410, 67.9152, -83.5264



119.9680, 42.4138, 22.8301



111.6410, 21.8690, 79.2448

# Triad

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



119.9680, 42.4138, 22.8301



110.4160, -54.4351, 53.1322



99.7870, 19.3320, -87.5132

# Complementary

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



119.9680, 42.4138, 22.8301



176.0320, -42.4138, -22.8301

# 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.



91.5450, -7.1707, -80.2850



119.9680, 42.4138, 22.8301



108.0920, -53.2894, 12.1973

# Square

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



119.9680, 42.4138, 22.8301



108.6460, -32.8565, 85.3795



94.8900, -43.8228, -37.6145



104.8830, 43.9347, -91.9824



# Rectangle

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



119.9680, 42.4138, 22.8301



104.0490, 6.3848, 99.0580



94.8900, -43.8228, -37.6145



97.3930, 10.1593, -85.4137

# Sweetspot

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



119.9680, 42.4138, 22.8301



223.1810, 15.6868, 8.6113



139.6180, 32.7263, -43.5150



108.5520, 9.5879, 4.7779



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.



119.9680, 42.4138, 22.8301



126.5390, 63.3313, 33.7303



136.7120, 34.1590, 57.2576



94.6350, 3.6309, 2.0741



42.8440, 60.7159, 32.5858



9.7140, 13.9450, 7.2668



# Inverse Universe

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



131.5240, 9.1087, 65.3155



143.8730, 13.3736, 97.4584



159.2880, -34.1590, -57.2576



95.5600, 0.7099, 5.6479



59.4380, 13.0951, 93.4549



13.6420, 3.1345, 21.3620



# Previews

## White Background



This preview shows how the YUV color 119.9680, 42.4138, 22.8301 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

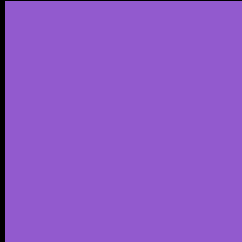
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 119.9680, 42.4138, 22.8301 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

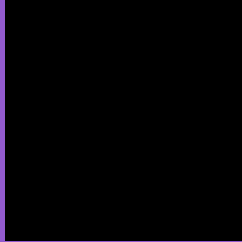
Any Text WCAG AA ✓ Pass

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 119.9680, 42.4138, 22.8301 Background



This preview shows how black text looks on a background with the YUV color 119.9680, 42.4138, 22.8301.



This preview shows how white text looks on a background with the YUV color 119.9680, 42.4138,



# 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

119.9680, 42.4138, 22.8301

### Protanopia

106.8920, 60.6922, -53.4023

### Deuteranopia

109.6960, 44.5199, -46.2144



## Tritanopia

118.4080, 1.2779, 10.1662

# Trichromacy



## Original Color

119.9680, 42.4138, 22.8301



## Protanomaly

111.3470, 54.0589, -25.7373



## Deuteranomaly

113.0350, 43.8597, -21.0787



## Tritanomaly

119.0400, 16.2493, 14.8739

# Monochromacy



## Original Color

119.9680, 42.4138, 22.8301



## Achromatopsia

120.0000, 0.0000, 0.0000



## Achromatomaly

119.7680, 15.3974, 8.0965

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 119.9680, 42.4138, 22.8301 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(146, 90, 206)` looks like.

```
.text, #text, p{  
    color:rgb(146, 90, 206)  
}
```

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(146, 90, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 90, 206) }
```

## Border

The CSS property to change the border of an element to YUV 119.9680, 42.4138, 22.8301 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(146, 90, 206) }
```



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

```
.border{ border-color:rgb(146, 90, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 90, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 90, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 90, 206);  
box-shadow:4px 4px 4px 4px rgb(146, 90,  
206) }
```

# Background

The CSS property to change the background color of an element to YUV 119.9680, 42.4138, 22.8301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 90, 206) }
```

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

```
.background{ background-color: rgb(146, 90,  
206) }
```

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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