

# Converting Colors

YUV(122.6680, 13.9677,  
46.7722)

Have a look what the booklet for  
YUV(122.6680, 13.9677, 46.7722)  
contains.

<b>YUV(122.6680, 13.9677, 46.7722)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(122.6680, 13.9677,  
46.7722)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B05A97
RGB	176, 90, 151
RGB Percent	69%, 35%, 59%
CMY	0.3098, 0.6471, 0.4078
CMYK	0.00, 0.49, 0.14, 0.31
HSL	317°, 35%, 52%
HSV	317°, 49%, 69%
XYZ	27.1466, 18.7768, 31.4717
YIQ	122.6680, 31.6750, 37.2030

# Conversions

## Conversions Part 2

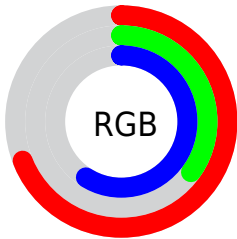
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 90, 151
Decimal	11557527
CIE <sub>Lab</sub>	50.43, 42.96, -17.71
CIE <sub>LCh</sub>	50, 46.470, 337.598
Yxy	18.7768, 0.3508, 0.2426
Android (android.graphics.Color)	4289747607 (0xFFB05A97)
YUV	122.6680, 13.9677, 46.7722
Hunter-Lab	43.3322, 35.9946, -12.7291

# Details

The YUV color **122.6680, 13.9677, 46.7722** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **143.3320, -13.9677, -46.7722**, and the grayscale version is **123.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **176.9780, 13.8148, 49.1313**, and **69.8850, 14.8467, 44.8279** is the 20% darker color. If you saturate the color by 10%, you get **111.5320, 16.9927, 56.5384**, and if you desaturate by 10%, it is **133.8040, 10.9426, 37.0059**.

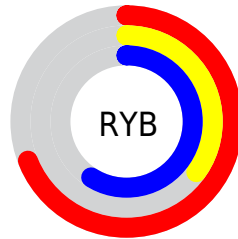
# Distribution



Red (69%)

Green (35%)

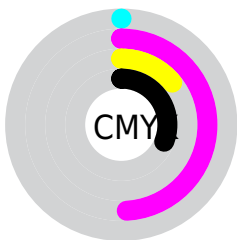
Blue (59%)



Red (69%)

Yellow (35%)

Blue (59%)

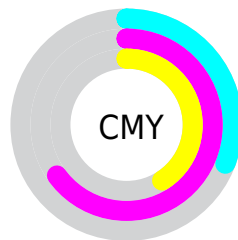


Cyan (0%)

Magenta (49%)

Yellow (14%)

Black (31%)



Cyan (31%)

Magenta (65%)

Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 122.6680, 13.9677, 46.7722 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 122.6680, 13.9677, 46.7722 by changing the saturation by 10% instead.



122.6680, 13.9677,  
46.7722

122.6680, 13.9677,  
46.7722

255.0000, 0.0000,  
0.0000

96.0700, 14.2625,  
45.5426

176.9780, 13.8148,  
49.1313

69.8850, 14.8467,  
44.8279

202.7110, 15.4255,  
45.8575

41.1780, 17.1672,  
47.2019

221.5410, 16.4953,  
29.3435

26.6730, 12.9792,  
37.1208

237.9770, 8.3923,  
14.9292

17.7010, 7.0494,  
25.6952

1.2390, 0.8682,  
1.5444

0.0000, 0.0000,

0.0000

■ 122.6680, 13.9677,  
46.7722

■ 122.6680, 13.9677,  
46.7722

■ 111.5320, 16.9927,  
56.5384

■ 133.8040, 10.9426,  
37.0059

■ 100.9830, 19.7284,  
65.7899

■ 144.3530, 8.2070,  
27.7544

■ 89.8470, 22.7534,  
75.5562

■ 155.4890, 5.1819,  
17.9881

■ 79.2980, 25.4891,  
84.8077

■ 166.0380, 2.4463,  
8.7367

■ 68.0480, 28.0773,  
94.6739

■ 177.2880, -0.1420,  
-1.1296

■ 66.8740, 28.6561,  
95.7035

■ 188.4240, -3.1670,  
-10.8958

■ 198.9730, -5.9027,  
-20.1473

■ 210.1090, -8.9277,  
-29.9136

■ 220.6580,  
-11.6634, -39.1651

# Harmonies

## Analogous

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



122.8620, 29.6480, 10.6450



122.6680, 13.9677, 46.7722



119.3700, -4.1264, 63.6965

# Triad

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



122.6680, 13.9677, 46.7722



114.4850, -39.1861, 15.3607



100.0440, 33.0093, -87.7386

# Complementary

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



122.6680, 13.9677, 46.7722



143.3320, -13.9677, -46.7722

# 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.



96.2990, 16.1216, -84.4542



122.6680, 13.9677, 46.7722



109.9630, -27.5898, -17.5076

# Square

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



122.6680, 13.9677, 46.7722



117.5730, -35.7785, 42.4705



94.9360, -3.4194, -70.1039



99.4860, 46.1024, -87.2492



# Rectangle

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



122.6680, 13.9677, 46.7722



118.5690, -16.0565, 63.5220



94.9360, -3.4194, -70.1039



99.3770, 27.9151, -87.1536

# Sweetspot

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



122.6680, 13.9677, 46.7722



208.2010, 5.3239, 19.1177



106.9800, 34.0269, 6.1565



101.9890, 3.4564, 11.4106



242.0000, 0.0000, 0.0000



115.0000, 0.0000, 0.0000



# Same Dimension

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



122.6680, 13.9677, 46.7722



145.6080, 21.8853, 74.0118



117.8800, -4.3778, 50.9712



83.4890, 1.7309, 4.8331



58.1730, 25.0577, 83.1633



9.8260, 4.0298, 14.1846



# Inverse Universe

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



122.6680, 13.9677, 46.7722



145.6080, 21.8853, 74.0118



148.1200, 4.3778, -50.9712



83.4890, 1.7309, 4.8331



58.1730, 25.0577, 83.1633



9.8260, 4.0298, 14.1846



# Previews

## White Background



This preview shows how the YUV color 122.6680, 13.9677, 46.7722 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

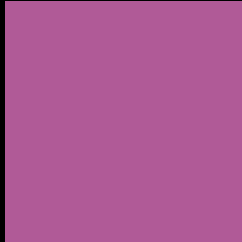
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 122.6680, 13.9677, 46.7722 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

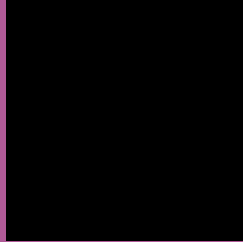
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 122.6680, 13.9677, 46.7722

## Background



This preview shows how black text looks on a background with the YUV color 122.6680, 13.9677, 46.7722.



This preview shows how white text looks on a background with the YUV color 122.6680, 13.9677,



# 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

122.6680, 13.9677, 46.7722

### Protanopia

120.5570, 25.3614, -14.5205

### Deuteranopia

121.4910, 12.0829, -2.1846



## Tritanopia

122.0270, -7.4083, 42.9493

# Trichromacy



## Original Color

122.6680, 13.9677, 46.7722

## Protanomaly

120.9620, 21.2177, 7.9263

## Deuteranomaly

122.1280, 12.7549, 15.6737

## Tritanomaly

122.1010, 0.4432, 44.6384

# Monochromacy



## Original Color

122.6680, 13.9677, 46.7722

## Achromatopsia

123.0000, 0.0000, 0.0000

## Achromatomaly

122.7770, 5.0399, 16.8586

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 122.6680, 13.9677, 46.7722 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(176, 90, 151)` looks like.

```
.text, #text, p{  
    color:rgb(176, 90, 151)  
}
```

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(176, 90, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 90, 151) }
```

## Border

The CSS property to change the border of an element to YUV 122.6680, 13.9677, 46.7722 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(176, 90, 151) }
```



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

```
.border{ border-color:rgb(176, 90, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 90, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 90, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 90, 151);  
box-shadow:4px 4px 4px 4px rgb(176, 90,  
151) }
```

# Background

The CSS property to change the background color of an element to YUV 122.6680, 13.9677, 46.7722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 90, 151) }
```

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

```
.background{ background-color: rgb(176, 90,  
151) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor