

# Converting Colors

YUV(106.2680, 27.4759,  
54.1390)

Have a look what the booklet for  
YUV(106.2680, 27.4759, 54.1390)  
contains.

<b>YUV(106.2680, 27.4759, 54.1390)</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(106.2680, 27.4759,  
54.1390)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A840A2
RGB	168, 64, 162
RGB Percent	66%, 25%, 64%
CMY	0.3412, 0.7490, 0.3647
CMYK	0.00, 0.62, 0.04, 0.34
HSL	303°, 45%, 45%
HSV	303°, 62%, 66%
XYZ	24.5034, 14.6003, 35.7091
YIQ	106.2680, 30.5260, 52.5260

# Conversions

## Conversions Part 2

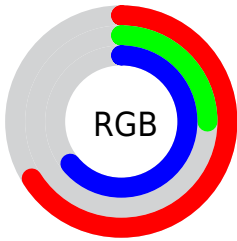
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	168, 64, 162
Decimal	11026594
CIE <sub>Lab</sub>	45.08, 54.94, -32.61
CIE <sub>LCh</sub>	45, 63.889, 329.309
Yxy	14.6003, 0.3275, 0.1952
Android (android.graphics.Color)	4289216674 (0xFFA840A2)
YUV	106.2680, 27.4759, 54.1390
Hunter-Lab	38.2103, 47.6002, -28.6617

# Details

The YUV color **106.2680, 27.4759, 54.1390** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **125.7320, -27.4759, -54.1390**, and the grayscale version is **106.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **161.5780, 27.3230, 56.4981**, and **46.3270, 31.3908, 58.4722** is the 20% darker color. If you saturate the color by 10%, you get **96.1750, 31.9587, 62.9905**, and if you desaturate by 10%, it is **116.3610, 22.9930, 45.2874**.

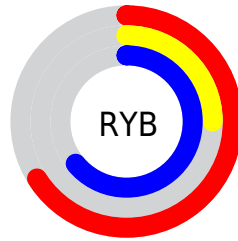
# Distribution



Red (66%)

Green (25%)

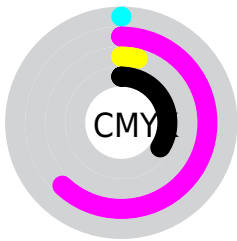
Blue (64%)



Red (66%)

Yellow (25%)

Blue (64%)

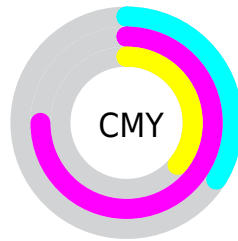


Cyan (0%)

Magenta (62%)

Yellow (4%)

Black (34%)



Cyan (34%)

Magenta (75%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 106.2680, 27.4759, 54.1390 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 106.2680, 27.4759, 54.1390 by changing the saturation by 10% instead.



106.2680, 27.4759,  
54.1390

106.2680, 27.4759,  
54.1390

255.0000, 0.0000,  
0.0000

77.9090, 28.6389,  
54.4538

161.5780, 27.3230,  
56.4981

46.3270, 31.3908,  
58.4722

189.9910, 27.6124,  
57.0129

35.4040, 24.4508,  
44.3727

207.4530, 23.4407,  
41.6987

24.8940, 17.8003,  
30.7880

223.8890, 15.3377,  
27.2843

15.2100, 11.7285,  
18.2328

240.9120, 6.9454,  
12.3552

2.4110, 6.6994,  
-2.1144

0.0000, 0.0000,

0.0000

■ 106.2680, 27.4759,  
54.1390

■ 106.2680, 27.4759,  
54.1390

■ 96.1750, 31.9587,  
62.9905

■ 116.3610, 22.9930,  
45.2874

■ 86.0820, 36.4416,  
71.8421

■ 126.4540, 18.5102,  
36.4358

■ 76.5760, 40.6350,  
80.1788

■ 135.9600, 14.3167,  
28.0991

■ 68.2440, 44.2497,  
87.4860

■ 146.0530, 9.8339,  
19.2475

■ 156.1460, 5.3510,  
10.3960

■ 166.2390, 0.8682,  
1.5444

■ 176.3320, -3.6147,  
-7.3072

■ 185.8380, -7.8081,  
-15.6439

■ 195.9310,  
-12.2910, -24.4955

# Harmonies

## Analogous

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



106.8070, 46.4371, -7.7237



106.2680, 27.4759, 54.1390



95.5100, 7.1436, 89.0067

# Triad

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



106.2680, 27.4759, 54.1390



99.9180, -49.2596, 26.3819



94.3220, 31.3933, -82.7204

# Complementary

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



106.2680, 27.4759, 54.1390



125.7320, -27.4759, -54.1390

# 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.



88.1660, 7.8062, -77.3216



106.2680, 27.4759, 54.1390



92.2890, -45.4985, -13.4085

# Square

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



106.2680, 27.4759, 54.1390



99.2630, -48.9367, 62.9133



79.4340, -15.4970, -69.6636



95.9470, 50.3121, -84.1455



# Rectangle

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



106.2680, 27.4759, 54.1390



95.0530, -9.8861, 91.1615



79.4340, -15.4970, -69.6636



92.3840, 23.9677, -81.0208

# Sweetspot

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



106.2680, 27.4759, 54.1390



194.7050, 10.9914, 21.3067



77.3510, 44.6900, -7.3238



94.5100, 6.6506, 13.5847



237.0000, 0.0000, 0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

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



106.2680, 27.4759, 54.1390



122.8800, 42.9502, 84.2972



100.4540, 5.1992, 59.2378



79.3040, 2.3151, 4.1184



60.0980, 38.8987, 77.0901



8.1460, 5.3510, 10.3960



# Inverse Universe

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



106.2680, 27.4759, 54.1390



122.8800, 42.9502, 84.2972



131.5460, -5.1992, -59.2378



79.3040, 2.3151, 4.1184



60.0980, 38.8987, 77.0901



8.1460, 5.3510, 10.3960



# Previews

## White Background



This preview shows how the YUV color 106.2680, 27.4759, 54.1390 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

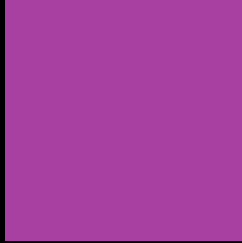
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 106.2680, 27.4759, 54.1390 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

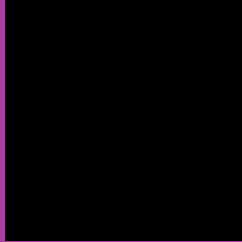
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 106.2680, 27.4759, 54.1390

## Background



This preview shows how black text looks on a background with the YUV color 106.2680, 27.4759, 54.1390.



This preview shows how white text looks on a background with the YUV color 106.2680, 27.4759, 54.1390.



# 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

106.2680, 27.4759, 54.1390

### Protanopia

101.2610, 47.6923, -37.0629

### Deuteranopia

106.2040, 24.0564, -15.9649



## Tritanopia

107.4080, -8.5821, 46.1232

# Trichromacy



## Original Color

106.2680, 27.4759, 54.1390



## Protanomaly

102.9340, 40.4585, -3.4501



## Deuteranomaly

106.4120, 25.4329, 9.2857



## Tritanomaly

107.1600, 4.3581, 48.9717

# Monochromacy



## Original Color

106.2680, 27.4759, 54.1390



## Achromatopsia

106.0000, 0.0000, 0.0000



## Achromatomaly

106.3520, 9.6865, 19.8623

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 106.2680, 27.4759, 54.1390 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(168, 64, 162)` looks like.

```
.text, #text, p{  
    color:rgb(168, 64, 162)  
}
```

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(168, 64, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 64, 162) }
```

## Border

The CSS property to change the border of an element to YUV 106.2680, 27.4759, 54.1390 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(168, 64, 162) }
```



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

```
.border{ border-color:rgb(168, 64, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 64, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 64, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 64, 162); box-shadow:4px 4px 4px 4px rgb(168, 64, 162) }
```

# Background

The CSS property to change the background color of an element to YUV 106.2680, 27.4759, 54.1390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 64, 162) }
```

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

```
.background{ background-color: rgb(168, 64,  
162) }
```

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