

# Converting Colors

YUV(105.4730, 29.8398,  
42.5582)

Have a look what the booklet for  
YUV(105.4730, 29.8398, 42.5582)  
contains.

<b>YUV(105.4730, 29.8398, 42.5582)</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(105.4730, 29.8398,  
42.5582)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9A45A6
RGB	154, 69, 166
RGB Percent	60%, 27%, 65%
CMY	0.3961, 0.7294, 0.3490
CMYK	0.07, 0.58, 0.00, 0.35
HSL	293°, 41%, 46%
HSV	293°, 58%, 65%
XYZ	22.3375, 13.8794, 37.5781
YIQ	105.4730, 19.5230, 48.1870

# Conversions

## Conversions Part 2

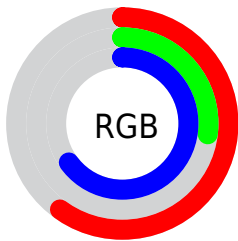
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 69, 166
Decimal	10110374
CIELab	44.06, 49.68, -36.74
CIElCh	44, 61.788, 323.518
Yxy	13.8794, 0.3027, 0.1881
Android (android.graphics.Color)	4288300454 (0xFF9A45A6)
YUV	105.4730, 29.8398, 42.5582
Hunter-Lab	37.2551, 41.8288, -33.7254

# Details

The YUV color **105.4730, 29.8398, 42.5582** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **129.5270, -29.8398, -42.5582**, and the grayscale version is **105.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **160.0110, 30.5606, 44.7174**, and **48.6520, 31.7236, 45.0322** is the 20% darker color. If you saturate the color by 10%, you get **94.8960, 35.0543, 50.0802**, and if you desaturate by 10%, it is **116.0500, 24.6253, 35.0361**.

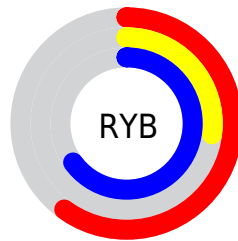
# Distribution



Red (60%)

Green (27%)

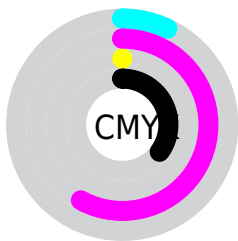
Blue (65%)



Red (60%)

Yellow (27%)

Blue (65%)

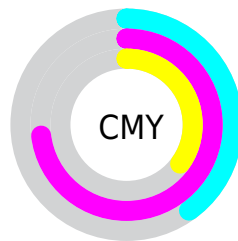


Cyan (7%)

Magenta (58%)

Yellow (0%)

Black (35%)



Cyan (40%)

Magenta (73%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 105.4730, 29.8398, 42.5582 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 105.4730, 29.8398, 42.5582 by changing the saturation by 10% instead.



■ 105.4730, 29.8398,  
42.5582

■ 105.4730, 29.8398,  
42.5582

■ 255.0000, 0.0000,  
0.0000

■ 78.4730, 29.8398,  
42.5582

■ 160.0110, 30.5606,  
44.7174

■ 48.6520, 31.7236,  
45.0322

■ 187.7230, 30.7026,  
45.8469

■ 32.2720, 27.9669,  
36.5955

■ 208.6270, 22.8619,  
40.6691

■ 22.0610, 21.1689,  
23.6255

■ 225.6500, 14.4696,  
25.7400

■ 11.6650, 14.9552,  
9.9408

■ 242.0860, 6.3666,  
11.3256

■ 2.8670, 8.4466,  
-2.5144

■ 0.0000, 0.0000,

0.0000

■ 105.4730, 29.8398,  
42.5582

■ 105.4730, 29.8398,  
42.5582

■ 94.8960, 35.0543,  
50.0802

■ 116.0500, 24.6253,  
35.0361

■ 84.9060, 39.9793,  
57.0874

■ 126.0400, 19.7003,  
28.0289

■ 74.3290, 45.1938,  
64.6095

■ 136.6170, 14.4858,  
20.5069

■ 64.3390, 50.1189,  
71.6167

■ 146.6070, 9.5607,  
13.4997

■ 62.2790, 51.1345,  
72.5463

■ 157.1840, 4.3463,  
5.9776

■ 167.7610, -0.8682,  
-1.5444

■ 177.7510, -5.7932,  
-8.5516

■ 188.3280,  
-11.0077, -16.0737

■ 198.3180,  
-15.9328, -23.0809

# Harmonies

## Analogous

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



100.5770, 48.5225, -23.3080



105.4730, 29.8398, 42.5582



96.0790, 10.8071, 80.6147

# Triad

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



105.4730, 29.8398, 42.5582



98.1900, -48.4077, 33.1594



90.9650, 26.1463, -79.7763

# Complementary

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



105.4730, 29.8398, 42.5582



129.5270, -29.8398, -42.5582

# 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.



84.3360, 3.2854, -73.9627



105.4730, 29.8398, 42.5582



92.3440, -45.5256, -4.6867

# Square

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



105.4730, 29.8398, 42.5582



97.2770, -40.0696, 65.5321



75.8320, -19.1442, -66.5047



93.9920, 45.3599, -82.4310



# Rectangle

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



105.4730, 29.8398, 42.5582



93.2960, -5.0759, 88.3174



75.8320, -19.1442, -66.5047



89.0270, 18.7207, -78.0767

# Sweetspot

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



105.4730, 29.8398, 42.5582



192.6120, 12.0233, 17.0033



87.6890, 38.6073, -16.3903



95.0150, 7.3876, 10.5108



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.



105.4730, 29.8398, 42.5582



122.0950, 46.7882, 66.5687



104.9570, 12.3462, 53.5347



79.0050, 2.4625, 3.5036



55.7420, 45.4832, 65.1243



7.6620, 6.0826, 9.0664



# Inverse Universe

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



99.3710, -9.0569, 58.4336



112.6140, -14.1067, 91.5465



130.0430, -12.3462, -53.5347



78.5060, -0.7425, 4.8182



46.3040, -13.9539, 89.1874



6.3220, -1.6377, 11.9956



# Previews

## White Background



This preview shows how the YUV color 105.4730, 29.8398, 42.5582 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

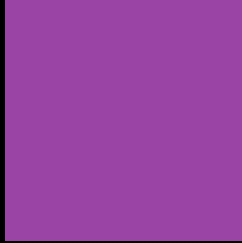
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 105.4730, 29.8398, 42.5582 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

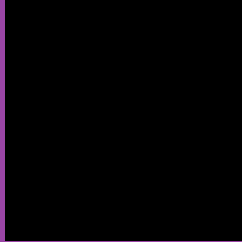
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 105.4730, 29.8398, 42.5582

## Background



This preview shows how black text looks on a background with the YUV color 105.4730, 29.8398, 42.5582.



This preview shows how white text looks on a background with the YUV color 105.4730, 29.8398,



# 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

105.4730, 29.8398, 42.5582

### Protanopia

98.4780, 48.5713, -39.0072

### Deuteranopia

102.6100, 28.2933, -21.5830



## Tritanopia

105.8410, -5.3446, 34.3424

# Trichromacy



## Original Color

105.4730, 29.8398, 42.5582



## Protanomaly

100.9440, 41.9326, -9.5979



## Deuteranomaly

103.5790, 28.8016, 2.1232



## Tritanomaly

105.5930, 7.5957, 37.1909

# Monochromacy



## Original Color

105.4730, 29.8398, 42.5582



## Achromatopsia

105.0000, 0.0000, 0.0000



## Achromatomaly

105.2590, 10.7183, 15.5589

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 105.4730, 29.8398, 42.5582 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(154, 69, 166)` looks like.

```
.text, #text, p{  
    color:rgb(154, 69, 166)  
}
```

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(154, 69, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 69, 166) }
```

## Border

The CSS property to change the border of an element to YUV 105.4730, 29.8398, 42.5582 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(154, 69, 166) }
```



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

```
.border{ border-color:rgb(154, 69, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 69, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 69, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 69, 166);  
box-shadow:4px 4px 4px 4px rgb(154, 69,  
166) }
```

# Background

The CSS property to change the background color of an element to YUV 105.4730, 29.8398, 42.5582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 69, 166) }
```

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

```
.background{ background-color: rgb(154, 69,  
166) }
```

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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