

# Converting Colors

YUV(108.0700, 34.4755,  
49.0506)

Have a look what the booklet for  
YUV(108.0700, 34.4755, 49.0506)  
contains.

<b>YUV(108.0700, 34.4755, 49.0506)</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(108.0700, 34.4755,  
49.0506)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A442B2
RGB	164, 66, 178
RGB Percent	64%, 26%, 70%
CMY	0.3569, 0.7412, 0.3020
CMYK	0.08, 0.63, 0.00, 0.30
HSL	292°, 46%, 48%
HSV	292°, 63%, 70%
XYZ	25.2939, 15.0033, 43.6823
YIQ	108.0700, 22.4560, 55.6080

# Conversions

## Conversions Part 2

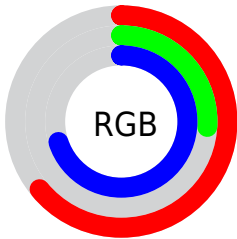
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	164, 66, 178
Decimal	10764978
CIE <sub>Lab</sub>	45.64, 55.93, -41.23
CIE <sub>LCh</sub>	46, 69.483, 323.599
Yxy	15.0033, 0.3012, 0.1787
Android (android.graphics.Color)	4288955058 (0xFFA442B2)
YUV	108.0700, 34.4755, 49.0506
Hunter-Lab	38.7341, 48.7785, -39.7503

# Details

The YUV color **108.0700, 34.4755, 49.0506** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **135.9300, -34.4755, -49.0506**, and the grayscale version is **108.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **163.1950, 34.9069, 50.6950**, and **46.8410, 38.5324, 54.5134** is the 20% darker color. If you saturate the color by 10%, you get **96.9060, 39.9793, 57.0874**, and if you desaturate by 10%, it is **119.2340, 28.9716, 41.0138**.

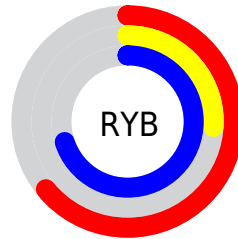
# Distribution



Red (64%)

Green (26%)

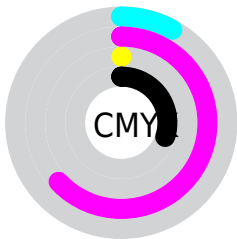
Blue (70%)



Red (64%)

Yellow (26%)

Blue (70%)

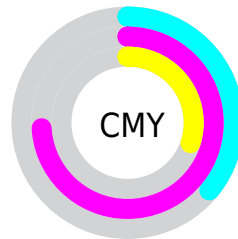


Cyan (8%)

Magenta (63%)

Yellow (0%)

Black (30%)



Cyan (36%)

Magenta (74%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 108.0700, 34.4755, 49.0506 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 108.0700, 34.4755, 49.0506 by changing the saturation by 10% instead.





 108.0700, 34.4755,  
49.0506


 108.0700, 34.4755,  
49.0506


255.0000, 0.0000,  
0.0000


 79.5970, 35.2017,  
49.4654


 163.1950, 34.9069,  
50.6950


 46.8410, 38.5324,  
54.5134


 190.9950, 31.5545,  
52.6244

 35.8040, 31.1556,  
40.5139


 208.0400, 23.1513,  
41.1839

 25.2940, 24.5051,  
26.9292

 225.0630, 14.7589,  
26.2547

 15.0830, 17.7071,  
13.9592

 242.0860, 6.3666,  
11.3256

 4.4800, 12.0884,  
-3.9290

 0.0000, 0.0000,

0.0000

■ 108.0700, 34.4755,  
49.0506

■ 108.0700, 34.4755,  
49.0506

■ 96.9060, 39.9793,  
57.0874

■ 119.2340, 28.9716,  
41.0138

■ 85.7420, 45.4832,  
65.1243

■ 130.3980, 23.4678,  
32.9770

■ 74.8660, 50.8451,  
72.0315

■ 141.2740, 18.1059,  
26.0697

■ 66.9360, 54.7546,  
78.1091

■ 152.4380, 12.6021,  
18.0329

■ 163.6020, 7.0982,  
9.9960

■ 174.7660, 1.5944,  
1.9592

■ 186.2290, -4.0569,  
-5.4628

■ 196.8060, -9.2714,  
-12.9849

■ 207.9700,  
-14.7752, -21.0217

# Harmonies

## Analogous

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



102.7810, 55.8170, -29.6259



108.0700, 34.4755, 49.0506



92.6170, 14.9788, 95.9289

# Triad

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



108.0700, 34.4755, 49.0506



101.7450, -50.1603, 35.3036



95.5130, 28.3411, -83.7649

# Complementary

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



108.0700, 34.4755, 49.0506



135.9300, -34.4755, -49.0506

# 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.



88.0860, 2.4226, -77.2514



108.0700, 34.4755, 49.0506



95.2790, -46.9725, -7.2607

# Square

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



108.0700, 34.4755, 49.0506



98.1550, -48.3904, 74.4091



78.5560, -23.9381, -68.8936



99.3380, 50.6124, -87.1194



# Rectangle

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



108.0700, 34.4755, 49.0506



89.3780, -2.6514, 104.0315



78.5560, -23.9381, -68.8936



93.3470, 20.0419, -81.8653

# Sweetspot

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



108.0700, 34.4755, 49.0506



204.6770, 13.4702, 19.5773



87.5730, 44.5805, -18.9195



100.2540, 8.2558, 12.0552



245.0000, 0.0000, 0.0000



117.0000, 0.0000, 0.0000



# Same Dimension

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



108.0700, 34.4755, 49.0506



122.1100, 54.1758, 77.0795



107.5820, 14.5031, 61.7566



83.4180, 2.7519, 4.0184



57.5080, 47.0776, 67.0835



9.5420, 8.1138, 10.9257



# Inverse Universe

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



101.0840, -10.3944, 67.4553



111.1320, -16.3341, 106.0012



136.4180, -14.5031, -61.7566



82.8050, -0.8899, 5.4330



47.9130, -14.2541, 92.1613



8.1160, -2.5222, 15.6843



# Previews

## White Background



This preview shows how the YUV color 108.0700, 34.4755, 49.0506 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

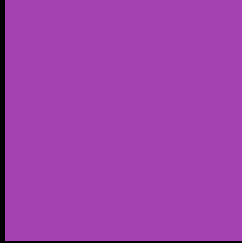
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 108.0700, 34.4755, 49.0506 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

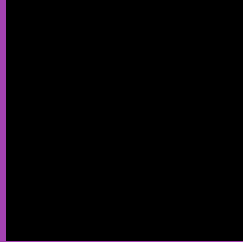
Any Text WCAG AA × Fail

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 108.0700, 34.4755, 49.0506 Background



This preview shows how black text looks on a background with the YUV color 108.0700, 34.4755, 49.0506.



This preview shows how white text looks on a background with the YUV color 108.0700, 34.4755,



# 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

108.0700, 34.4755, 49.0506

### Protanopia

97.3220, 58.5083, -52.9024

### Deuteranopia

105.9020, 32.0933, -27.1011



## Tritanopia

109.6350, -6.2291, 38.0311

# Trichromacy



## Original Color

108.0700, 34.4755, 49.0506



## Protanomaly

101.2620, 49.6638, -16.0158



## Deuteranomaly

106.4200, 33.3169, 0.5087



## Tritanomaly

108.8540, 8.4530, 42.2240

# Monochromacy



## Original Color

108.0700, 34.4755, 49.0506



## Achromatopsia

108.0000, 0.0000, 0.0000



## Achromatomaly

108.0250, 12.3127, 17.5181

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 108.0700, 34.4755, 49.0506 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(164, 66, 178)` looks like.

```
.text, #text, p{  
    color:rgb(164, 66, 178)  
}
```

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(164, 66, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 66, 178) }
```

## Border

The CSS property to change the border of an element to YUV 108.0700, 34.4755, 49.0506 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(164, 66, 178) }
```



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

```
.border{ border-color:rgb(164, 66, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 66, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 66, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 66, 178);  
box-shadow:4px 4px 4px 4px rgb(164, 66,  
178) }
```

# Background

The CSS property to change the background color of an element to YUV 108.0700, 34.4755, 49.0506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 66, 178) }
```

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

```
.background{ background-color: rgb(164, 66,  
178) }
```

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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