

# Converting Colors

YUV(129.0900, 40.8746,  
49.9101)

Have a look what the booklet for  
YUV(129.0900, 40.8746, 49.9101)  
contains.

<b>YUV(129.0900, 40.8746, 49.9101)</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(129.0900, 40.8746,  
49.9101)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BA54D4
RGB	186, 84, 212
RGB Percent	73%, 33%, 83%
CMY	0.2706, 0.6706, 0.1686
CMYK	0.12, 0.60, 0.00, 0.17
HSL	288°, 60%, 58%
HSV	288°, 60%, 83%
XYZ	35.3037, 21.5332, 64.5830
YIQ	129.0900, 19.7040, 61.4320

# Conversions

## Conversions Part 2

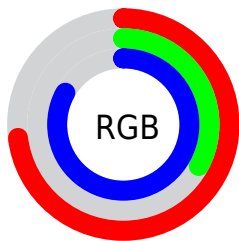
<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 84, 212
Decimal	12211412
CIELab	53.53, 59.73, -48.17
CIELCh	54, 76.727, 321.116
Yxy	21.5332, 0.2908, 0.1773
Android (android.graphics.Color)	4290401492 (0xFFBA54D4)
YUV	129.0900, 40.8746, 49.9101
Hunter-Lab	46.4039, 54.5945, -50.0346

# Details

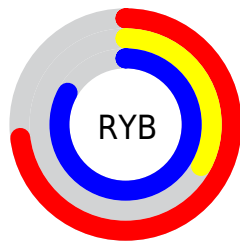
The YUV color **129.0900, 40.8746, 49.9101** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **166.9100, -40.8746, -49.9101**, and the grayscale version is **129.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **183.9180, 35.0434, 53.5689**, and **70.5570, 42.6164, 51.2545** is the 20% darker color. If you saturate the color by 10%, you get **115.5670, 47.5415, 58.2617**, and if you desaturate by 10%, it is **142.6130, 34.2078, 41.5584**.

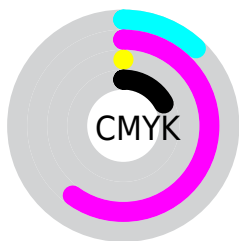
# Distribution



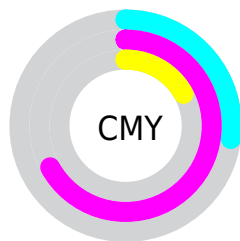
- Red (73%)
- Green (33%)
- Blue (83%)



- Red (73%)
- Yellow (33%)
- Blue (83%)



- Cyan (12%)
- Magenta (60%)
- Yellow (0%)
- Black (17%)



- Cyan (27%)
- Magenta (67%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 129.0900, 40.8746, 49.9101 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 129.0900, 40.8746, 49.9101 by changing the saturation by 10% instead.





 129.0900, 40.8746,  
49.9101

 129.0900, 40.8746,  
49.9101


255.0000, 0.0000,  
0.0000


 100.7910, 41.0220,  
49.2953


 183.9180, 35.0434,  
53.5689

 70.5570, 42.6164,  
51.2545


 203.3440, 25.4664,  
45.3023

 45.3180, 41.7482,  
49.7101


 219.7800, 17.3635,  
30.8879

 34.2810, 34.3715,  
35.7106

 236.8030, 8.9711,  
15.9588

 23.7710, 27.7209,  
22.1258

253.8260, 0.5788,  
1.0296

 12.3640, 21.5125,  
6.6968

 4.9360, 13.8356,

-4.3289

■ 0.6840, 2.6208,  
-0.5999

■ 0.0000, 0.0000,  
0.0000

■ 129.0900, 40.8746,  
49.9101

■ 129.0900, 40.8746,  
49.9101

■ 115.5670, 47.5415,  
58.2617

■ 142.6130, 34.2078,  
41.5584

■ 101.7450, 54.3557,  
65.9986

■ 156.4350, 27.3935,  
33.8215

■ 87.6350, 61.3119,  
74.8651

■ 170.5450, 20.4373,  
24.9550

■ 74.6990, 67.6894,  
82.7020

■ 184.0680, 13.7705,  
16.6034

■ 197.8900, 6.9562,  
8.8665

■ 211.4130, 0.2894,  
0.5148

■ 224.9360, -6.3774,  
-7.8369

■ 239.0460,  
-13.3337, -16.7033

■ 241.1280,  
-14.3601, -14.1443

# Harmonies

## Analogous

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



119.0270, 66.0487, -44.7507



129.0900, 40.8746, 49.9101



113.2960, 18.5881, 104.9804

# Triad

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



129.0900, 40.8746, 49.9101



120.3950, -59.3547, 44.3806



111.4080, 30.8579, -97.7048

# Complementary

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



129.0900, 40.8746, 49.9101



166.9100, -40.8746, -49.9101

# 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.



102.9550, 1.0082, -90.2915



129.0900, 40.8746, 49.9101



114.7820, -56.5875, -3.3168

# Square

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



129.0900, 40.8746, 49.9101



117.7760, -50.1756, 87.0194



91.8120, -28.9943, -80.5191



116.1450, 56.6235, -101.8592



# Rectangle

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



129.0900, 40.8746, 49.9101



108.5090, -1.2369, 117.0716



91.8120, -28.9943, -80.5191



108.9000, 21.2483, -95.5053

# Sweetspot

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



129.0900, 40.8746, 49.9101



225.3070, 14.6386, 18.1478



115.0280, 47.8072, -27.2116



109.1830, 9.2768, 11.2405



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.



129.0900, 40.8746, 49.9101



135.9290, 58.7020, 71.9763



132.7600, 21.3173, 69.4935



99.9450, 3.4781, 4.4332



60.1580, 54.6451, 66.5134



15.3670, 13.6231, 17.2181



# Inverse Universe

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



125.2360, -7.5113, 76.0920



130.3480, -10.5246, 109.3198



163.2400, -21.3173, -69.4935



99.6310, -0.3111, 6.4626



55.1190, -9.9187, 101.6276



13.8830, -2.4073, 25.5356



# Previews

## White Background



This preview shows how the YUV color 129.0900, 40.8746, 49.9101 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

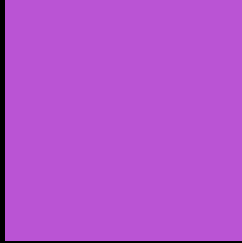
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 129.0900, 40.8746, 49.9101 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 129.0900, 40.8746, 49.9101 Background



This preview shows how black text looks on a background with the YUV color 129.0900, 40.8746, 49.9101.



This preview shows how white text looks on a background with the YUV color 129.0900, 40.8746, 49.9101.



# 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

129.0900, 40.8746, 49.9101

### Protanopia

116.6510, 66.2341, -57.5759

### Deuteranopia

123.8070, 39.5351, -34.0337



## Tritanopia

129.8630, -5.3555, 37.8311

# Trichromacy



## Original Color

129.0900, 40.8746, 49.9101



## Protanomaly

120.9010, 57.2368, -18.3302



## Deuteranomaly

125.8200, 40.0217, -3.3501



## Tritanomaly

129.9510, 11.3632, 42.1390

# Monochromacy



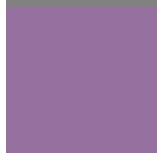
## Original Color

129.0900, 40.8746, 49.9101



## Achromatopsia

129.0000, 0.0000, 0.0000



## Achromatomaly

129.3070, 14.6386, 18.1478

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 129.0900, 40.8746, 49.9101 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(186, 84, 212)` looks like.

```
.text, #text, p{  
    color:rgb(186, 84, 212)  
}
```

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(186, 84, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 84, 212) }
```

## Border

The CSS property to change the border of an element to YUV 129.0900, 40.8746, 49.9101 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(186, 84, 212) }
```



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

```
.border{ border-color:rgb(186, 84, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 84, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 84, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 84, 212);  
box-shadow:4px 4px 4px 4px rgb(186, 84,  
212) }
```

# Background

The CSS property to change the background color of an element to YUV 129.0900, 40.8746, 49.9101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 84, 212) }
```

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

```
.background{ background-color: rgb(186, 84,  
212) }
```

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