

# Converting Colors

YUV(112.7310, 45.4886,  
63.3799)

Have a look what the booklet for  
YUV(112.7310, 45.4886, 63.3799)  
contains.

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# Color

**YUV(112.7310, 45.4886,  
63.3799)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B93ACD
RGB	185, 58, 205
RGB Percent	73%, 23%, 80%
CMY	0.2745, 0.7725, 0.1961
CMYK	0.10, 0.72, 0.00, 0.20
HSL	292°, 60%, 52%
HSV	292°, 72%, 80%
XYZ	32.5401, 17.7482, 59.4683
YIQ	112.7310, 28.5050, 72.6410

# Conversions

## Conversions Part 2

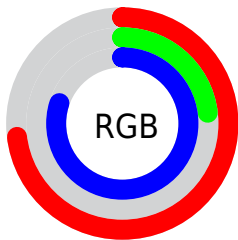
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	185, 58, 205
Decimal	12139213
CIE Lab	49.19, 68.79, -51.09
CIE LCh	49, 85.688, 323.402
Yxy	17.7482, 0.2965, 0.1617
Android (android.graphics.Color)	4290329293 (0xFFB93ACD)
YUV	112.7310, 45.4886, 63.3799
Hunter-Lab	42.1286, 64.1482, -54.2032

# Details

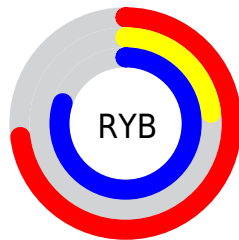
The YUV color **112.7310, 45.4886, 63.3799** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **150.2690, -45.4886, -63.3799**, and the grayscale version is **112.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **170.1180, 41.8468, 64.7945**, and **55.3720, 46.6516, 63.6948** is the 20% darker color. If you saturate the color by 10%, you get **99.5070, 52.0080, 72.3464**, and if you desaturate by 10%, it is **125.3680, 39.2586, 54.9283**.

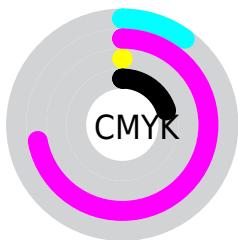
# Distribution



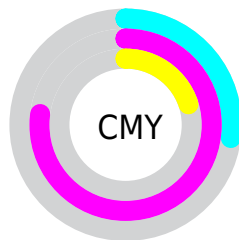
- Red (73%)
- Green (23%)
- Blue (80%)



- Red (73%)
- Yellow (23%)
- Blue (80%)



- Cyan (10%)
- Magenta (72%)
- Yellow (0%)
- Black (20%)




- Cyan (27%)
- Magenta (77%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 112.7310, 45.4886, 63.3799 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 112.7310, 45.4886, 63.3799 by changing the saturation by 10% instead.





 112.7310, 45.4886,  
63.3799

 112.7310, 45.4886,  
63.3799


255.0000, 0.0000,  
0.0000


 78.5620, 48.5299,  
67.9131


 170.1180, 41.8468,  
64.7945


 55.3720, 46.6516,  
63.6948


 190.4300, 31.8330,  
56.6279

 43.9220, 38.9855,  
49.1804


 207.4530, 23.4407,  
41.6987

 32.7000, 32.1929,  
34.4661

 223.8890, 15.3377,  
27.2843

 22.3750, 24.9581,  
21.5961

 241.4990, 6.6560,  
11.8404

 8.3910, 20.5132,  
0.5341

 3.6650, 11.5042,

-3.2142

■ 0.0000, 0.0000,  
0.0000

■ 112.7310, 45.4886,  
63.3799

■ 112.7310, 45.4886,  
63.3799

■ 99.5070, 52.0080,  
72.3464

■ 125.3680, 39.2586,  
54.9283

■ 86.8700, 58.2381,  
80.7980

■ 138.5920, 32.7391,  
45.9618

■ 76.2930, 63.4526,  
88.3200

■ 150.9300, 26.6565,  
36.8954

■ 164.1540, 20.1371,  
27.9289

■ 177.3780, 13.6176,  
18.9625

■ 190.0150, 7.3876,  
10.5108

■ 203.2390, 0.8682,  
1.5444

■ 215.5770, -5.2145,  
-7.5220

■ 228.8010,  
-11.7339, -16.4885

# Harmonies

## Analogous

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



103.3340, 73.7853, -52.9129



112.7310, 45.4886, 63.3799



85.1710, 25.0587, 129.6460

# Triad

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



112.7310, 45.4886, 63.3799



110.6270, -54.5391, 39.7921



106.0110, 33.0256, -92.9716

# Complementary

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



112.7310, 45.4886, 63.3799



150.2690, -45.4886, -63.3799

# 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.



96.2870, 0.8445, -84.4437



112.7310, 45.4886, 63.3799



102.3230, -50.4452, -13.4383

# Square

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



112.7310, 45.4886, 63.3799



103.5700, -51.0600, 90.7081



82.5220, -39.2043, -72.3718



111.2040, 60.5384, -97.5259



# Rectangle

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



112.7310, 45.4886, 63.3799



81.4930, 3.2080, 138.1336



82.5220, -39.2043, -72.3718



102.6880, 22.8318, -90.0574

# Sweetspot

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



112.7310, 45.4886, 63.3799



219.7360, 17.3852, 23.9105



87.6720, 57.8427, -26.0223



106.5470, 10.5763, 14.4293



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.



112.7310, 45.4886, 63.3799



117.4770, 67.7988, 94.2977



112.8970, 20.2638, 80.7743



95.8310, 3.0413, 4.5332



61.6810, 51.4293, 71.3168



14.1990, 11.7339, 16.4885



# Inverse Universe

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



104.2330, -12.9329, 88.3727



104.9010, -19.1782, 131.6368



150.1030, -20.2638, -80.7743



95.1040, -1.0373, 6.0478



52.2560, -14.4232, 99.7535



11.9320, -3.4175, 22.8616



# Previews

## White Background



This preview shows how the YUV color 112.7310, 45.4886, 63.3799 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

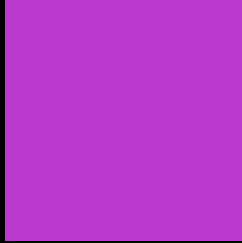
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 112.7310, 45.4886, 63.3799 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

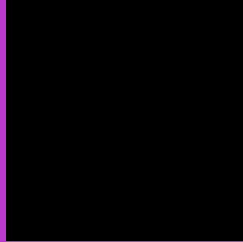
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 112.7310, 45.4886, 63.3799

## Background



This preview shows how black text looks on a background with the YUV color 112.7310, 45.4886, 63.3799.



This preview shows how white text looks on a background with the YUV color 112.7310, 45.4886, 63.3799.



# 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

112.7310, 45.4886, 63.3799

### Protanopia

93.6910, 72.1303, -82.1670

### Deuteranopia

111.2300, 41.2986, -39.6667



## Tritanopia

118.1200, -8.4402, 47.2528

# Trichromacy



## Original Color

112.7310, 45.4886, 63.3799



## Protanomaly

100.5020, 62.3635, -29.3813



## Deuteranomaly

111.6290, 43.0739, -2.3056



## Tritanomaly

116.3160, 11.1832, 53.2199

# Monochromacy



## Original Color

112.7310, 45.4886, 63.3799



## Achromatopsia

113.0000, 0.0000, 0.0000



## Achromatomaly

112.7960, 16.3696, 22.9809

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 112.7310, 45.4886, 63.3799 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(185, 58, 205)` looks like.

```
.text, #text, p{  
    color:rgb(185, 58, 205)  
}
```

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(185, 58, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 58, 205) }
```

## Border

The CSS property to change the border of an element to YUV 112.7310, 45.4886, 63.3799 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(185, 58, 205) }
```



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

```
.border{ border-color:rgb(185, 58, 205) }
```

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

Here you see how a box with a 4 pixel rgb(185, 58, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 58, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 58, 205);  
box-shadow:4px 4px 4px 4px rgb(185, 58,  
205) }
```

# Background

The CSS property to change the background color of an element to YUV 112.7310, 45.4886, 63.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 58, 205) }
```

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

```
.background{ background-color: rgb(185, 58,  
205) }
```

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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