

# Converting Colors

YUV(109.1340, 44.3039,  
70.0425)

Have a look what the booklet for  
YUV(109.1340, 44.3039, 70.0425)  
contains.

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# Color

**YUV(109.1340, 44.3039,  
70.0425)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD33C7
RGB	189, 51, 199
RGB Percent	74%, 20%, 78%
CMY	0.2588, 0.8000, 0.2196
CMYK	0.05, 0.74, 0.00, 0.22
HSL	296°, 59%, 49%
HSV	296°, 74%, 78%
XYZ	32.4789, 17.3100, 55.6622
YIQ	109.1340, 34.7400, 75.2840

# Conversions

## Conversions Part 2

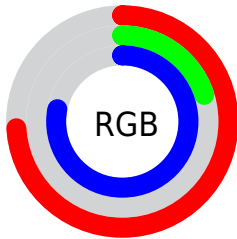
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	189, 51, 199
Decimal	12399559
CIE <sub>Lab</sub>	48.65, 70.91, -48.46
CIE <sub>LCh</sub>	49, 85.881, 325.652
Yxy	17.3100, 0.3080, 0.1642
Android (android.graphics.Color)	4290589639 (0xFFBD33C7)
YUV	109.1340, 44.3039, 70.0425
Hunter-Lab	41.6053, 66.5357, -50.1982

# Details

The YUV color **109.1340, 44.3039, 70.0425** 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 **140.8660, -44.3039, -70.0425**, and the grayscale version is **109.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **169.2650, 42.2674, 69.9276**, and **55.5850, 43.5886, 66.1390** is the 20% darker color. If you saturate the color by 10%, you get **97.0950, 50.2392, 79.7237**, and if you desaturate by 10%, it is **121.1730, 38.3687, 60.3613**.

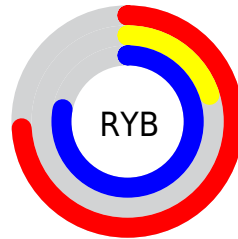
# Distribution



Red (74%)

Green (20%)

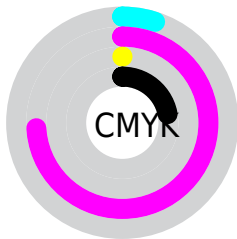
Blue (78%)



Red (74%)

Yellow (20%)

Blue (78%)

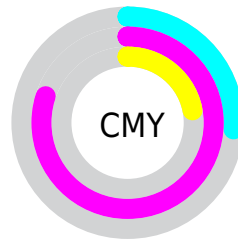


Cyan (5%)

Magenta (74%)

Yellow (0%)

Black (22%)



Cyan (26%)

Magenta (80%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 109.1340, 44.3039, 70.0425 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 109.1340, 44.3039, 70.0425 by changing the saturation by 10% instead.





 109.1340, 44.3039,  
70.0425


 109.1340, 44.3039,  
70.0425


255.0000, 0.0000,  
0.0000


 68.5080, 50.5286,  
80.2385

 169.2650, 42.2674,  
69.9276


 55.5850, 43.5886,  
66.1390


 187.4950, 33.2800,  
59.2019


 44.2490, 36.3592,  
51.5246


 204.5180, 24.8876,  
44.2727

 33.0270, 29.5667,  
36.8103

 221.5410, 16.4953,  
29.3435

 22.7020, 22.3319,  
23.9403

 239.1510, 7.8136,  
13.8996

 9.9140, 17.2974,  
5.3374

 3.2090, 9.7570,

-2.8143

■ 0.0000, 0.0000,  
0.0000

■ 109.1340, 44.3039,  
70.0425

■ 109.1340, 44.3039,  
70.0425

■ 97.0950, 50.2392,  
79.7237

■ 121.1730, 38.3687,  
60.3613

■ 84.7570, 56.3218,  
88.7901

■ 133.5110, 32.2861,  
51.2949

■ 78.3000, 59.5051,  
94.4529

■ 145.5500, 26.3508,  
41.6136

■ 157.5890, 20.4156,  
31.9324

■ 169.9270, 14.3330,  
22.8660

■ 181.3790, 8.6872,  
13.6996

■ 193.4180, 2.7519,  
4.0184

■ 205.7560, -3.3307,  
-5.0480

■ 217.7950, -9.2659,  
-14.7292

# Harmonies

## Analogous

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



107.1080, 69.9528, -36.9287



109.1340, 44.3039, 70.0425



84.3730, 22.0011, 130.3459

# Triad

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



109.1340, 44.3039, 70.0425



108.8330, -53.6547, 36.1035



105.2930, 35.3516, -92.3420

# Complementary

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



109.1340, 44.3039, 70.0425



140.8660, -44.3039, -70.0425

# 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.



96.1560, 2.8811, -84.3288



109.1340, 44.3039, 70.0425



99.3440, -48.9766, -17.8417

# Square

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



109.1340, 44.3039, 70.0425



103.2490, -50.9018, 86.6046



83.1890, -34.1102, -72.9568



110.2580, 61.9908, -96.6963



# Rectangle

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



109.1340, 44.3039, 70.0425



80.2110, 0.8820, 137.5040



83.1890, -34.1102, -72.9568



102.5570, 24.8684, -89.9425

# Sweetspot

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



109.1340, 44.3039, 70.0425



220.9320, 16.7955, 26.3696



74.9160, 61.1734, -20.9743



107.1450, 10.2815, 15.6588



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.



109.1340, 44.3039, 70.0425



117.2660, 67.9029, 107.6377



105.0560, 15.7484, 82.3889



93.7170, 2.6045, 4.6332



64.0300, 48.7922, 77.1497



13.9710, 10.8603, 16.6884



# Inverse Universe

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



96.3920, -17.4483, 89.9872



97.5830, -26.9094, 138.0547



144.9440, -15.7484, -82.3889



92.6910, -1.3267, 5.5330



49.9910, -19.2226, 99.1089



10.9920, -4.4331, 21.9320



# Previews

## White Background



This preview shows how the YUV color 109.1340, 44.3039, 70.0425 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

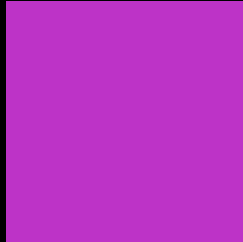
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 109.1340, 44.3039, 70.0425 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

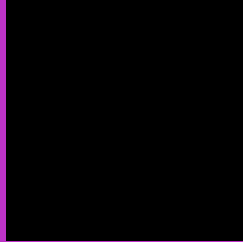
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 109.1340, 44.3039, 70.0425

## Background



This preview shows how black text looks on a background with the YUV color 109.1340, 44.3039, 70.0425.



This preview shows how white text looks on a background with the YUV color 109.1340, 44.3039,



# 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

109.1340, 44.3039, 70.0425

### Protanopia

92.8760, 71.5461, -81.4523

### Deuteranopia

111.7530, 38.0828, -34.8634



## Tritanopia

115.9960, -10.3510, 53.5005

# Trichromacy



## Original Color

109.1340, 44.3039, 70.0425



## Protanomaly

98.9970, 61.6265, -26.3074



## Deuteranomaly

110.9780, 40.4368, 3.5273



## Tritanomaly

113.3060, 9.7091, 59.3676

# Monochromacy



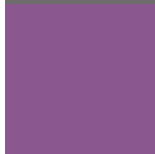
## Original Color

109.1340, 44.3039, 70.0425



## Achromatopsia

109.0000, 0.0000, 0.0000



## Achromatomaly

109.1060, 16.2167, 25.3400

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 109.1340, 44.3039, 70.0425 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(189, 51, 199)` looks like.

```
.text, #text, p{  
    color:rgb(189, 51, 199)  
}
```

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(189, 51, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 51, 199) }
```

## Border

The CSS property to change the border of an element to YUV 109.1340, 44.3039, 70.0425 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(189, 51, 199) }
```



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

```
.border{ border-color:rgb(189, 51, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 51, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 51, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 51, 199);  
box-shadow:4px 4px 4px 4px rgb(189, 51,  
199) }
```

# Background

The CSS property to change the background color of an element to YUV 109.1340, 44.3039, 70.0425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 51, 199) }
```

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

```
.background{ background-color: rgb(189, 51,  
199) }
```

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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