

# Converting Colors

YUV(89.3120, 37.8072,  
100.5814)

Have a look what the booklet for  
YUV(89.3120, 37.8072, 100.5814)  
contains.

<b>YUV(89.3120, 37.8072, 100.5814)</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(89.3120, 37.8072,  
100.5814)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC10A6
RGB	204, 16, 166
RGB Percent	80%, 6%, 65%
CMY	0.2000, 0.9373, 0.3490
CMYK	0.00, 0.92, 0.19, 0.20
HSL	312°, 85%, 43%
HSV	312°, 92%, 80%
XYZ	31.9701, 15.9611, 37.4722
YIQ	89.3120, 63.8980, 86.5060

# Conversions

## Conversions Part 2

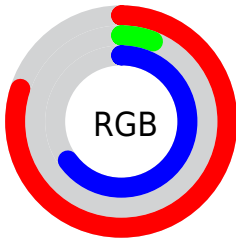
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	204, 16, 166
Decimal	13373606
CIE Lab	46.92, 76.51, -31.67
CIE LCh	47, 82.800, 337.514
Yxy	15.9611, 0.3743, 0.1869
Android (android.graphics.Color)	4291563686 (0xFFCC10A6)
YUV	89.3120, 37.8072, 100.5814
Hunter-Lab	39.9514, 72.9251, -27.6448

# Details

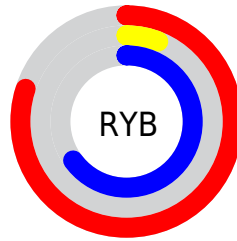
The YUV color **89.3120, 37.8072, 100.5814** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **130.6880, -37.8072, -100.5814**, and the grayscale version is **89.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **157.2040, 31.4514, 85.7671**, and **56.3510, 28.4210, 77.7452** is the 20% darker color. If you saturate the color by 10%, you get **79.5780, 41.1270, 109.1181**, and if you desaturate by 10%, it is **101.5080, 33.7666, 89.8855**.

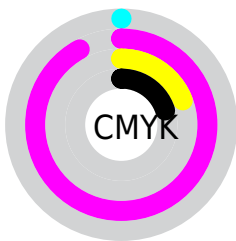
# Distribution



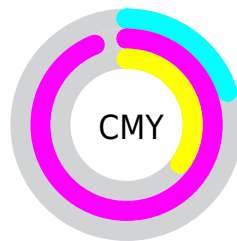
- Red (80%)
- Green (6%)
- Blue (65%)



- Red (80%)
- Yellow (6%)
- Blue (65%)



- Cyan (0%)
- Magenta (92%)
- Yellow (19%)
- Black (20%)




- Cyan (20%)
- Magenta (94%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 89.3120, 37.8072, 100.5814 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 89.3120, 37.8072, 100.5814 by changing the saturation by 10% instead.





 89.3120, 37.8072,  
100.5814


 89.3120, 37.8072,  
100.5814


255.0000, 0.0000,  
0.0000


 67.8720, 35.0661,  
93.0743


 157.2040, 31.4514,  
85.7671


 56.3510, 28.4210,  
77.7452

 178.1200, 35.4368,  
67.4238


 44.8300, 21.7758,  
62.4161

 195.7130, 29.2285,  
51.9947

 33.7220, 15.4201,  
47.6018

 213.3230, 20.5468,  
36.5507

 23.0270, 9.3537,  
33.3023

 230.9330, 11.8650,  
21.1068

 11.2500, 4.3137,  
16.4438

 248.5430, 3.1833,

 0.0000, 0.0000,

5.6628

0.0000

■ 89.3120, 37.8072,  
100.5814

■ 89.3120, 37.8072,  
100.5814

■ 79.5780, 41.1270,  
109.1181

■ 101.5080, 33.7666,  
89.8855

■ 114.2910, 29.4365,  
78.6748

■ 126.4870, 25.3959,  
67.9789

■ 139.2700, 21.0659,  
56.7682

■ 151.5800, 17.4621,  
45.9723

■ 163.7760, 13.4214,  
35.2764

■ 176.5590, 9.0914,  
24.0658

■ 188.7550, 5.0508,  
13.3699

■ 201.5380, 0.7208,  
2.1592

# Harmonies

## Analogous

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



111.8280, 54.8078, 14.1828



89.3120, 37.8072, 100.5814



79.2300, 8.7606, 130.4713

# Triad

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



89.3120, 37.8072, 100.5814



103.0970, -50.8268, 15.7009



103.8230, 44.9503, -91.0528

# Complementary

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



89.3120, 37.8072, 100.5814



130.6880, -37.8072, -100.5814

# 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.



96.1850, 15.6848, -84.3542



89.3120, 37.8072, 100.5814



85.2910, -42.0485, -46.7362

# Square

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



89.3120, 37.8072, 100.5814



103.9920, -51.2681, 64.0280



85.8740, -16.2069, -75.3115



105.6590, 67.2161, -92.6629



# Rectangle

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



89.3120, 37.8072, 100.5814



72.6050, -10.1583, 131.8964



85.8740, -16.2069, -75.3115



102.0160, 35.4881, -89.4680

# Sweetspot

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



89.3120, 37.8072, 100.5814



211.7270, 14.4316, 37.9504



48.7940, 76.5166, 4.5657



101.1460, 8.8020, 23.5510



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.



89.3120, 37.8072, 100.5814



99.3870, 51.0812, 136.4726



78.5960, -3.2518, 109.9793



95.9020, 2.0203, 5.3479



64.6820, 33.1878, 88.8559



14.8960, 7.9393, 20.2622



# Inverse Universe

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



89.3120, 37.8072, 100.5814



99.3870, 51.0812, 136.4726



141.4040, 3.2518, -109.9793



95.9020, 2.0203, 5.3479



64.6820, 33.1878, 88.8559



14.8960, 7.9393, 20.2622



# Previews

## White Background



This preview shows how the YUV color 89.3120, 37.8072, 100.5814 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

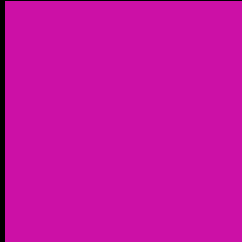
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 89.3120, 37.8072, 100.5814 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

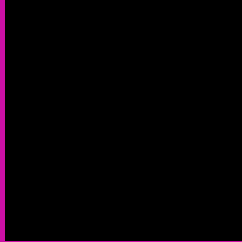
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 89.3120, 37.8072, 100.5814

## Background



This preview shows how black text looks on a background with the YUV color 89.3120, 37.8072, 100.5814.



This preview shows how white text looks on a background with the YUV color 89.3120, 37.8072,



# 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

89.3120, 37.8072, 100.5814

### Protanopia

89.7300, 69.6461, -78.6932

### Deuteranopia

112.2430, 21.5722, -12.4911



## Tritanopia

105.3260, -17.4157, 79.5211

# Trichromacy



## Original Color

89.3120, 37.8072, 100.5814



## Protanomaly

89.7490, 57.8047, -13.8119



## Deuteranomaly

103.8150, 27.6992, 29.1032



## Tritanomaly

99.6470, 2.6390, 87.1326

# Monochromacy



## Original Color

89.3120, 37.8072, 100.5814



## Achromatopsia

89.0000, 0.0000, 0.0000



## Achromatomaly

88.9010, 13.8528, 36.9208

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 89.3120, 37.8072, 100.5814 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(204, 16, 166)` looks like.

```
.text, #text, p{  
    color:rgb(204, 16, 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(204, 16, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 16, 166) }
```

## Border

The CSS property to change the border of an element to YUV 89.3120, 37.8072, 100.5814 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(204, 16, 166) }
```



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

```
.border{ border-color:rgb(204, 16, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 16, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 16, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 16, 166);  
box-shadow:4px 4px 4px 4px rgb(204, 16,  
166) }
```

# Background

The CSS property to change the background color of an element to YUV 89.3120, 37.8072, 100.5814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 16, 166) }
```

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

```
.background{ background-color: rgb(204, 16,  
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](#).

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**