

# Converting Colors

YUV(84.5340, 37.6977, 88.9857)

Have a look what the booklet for  
YUV(84.5340, 37.6977, 88.9857)  
contains.

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# Color

**YUV(84.5340, 37.6977,  
88.9857)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BA12A1
RGB	186, 18, 161
RGB Percent	73%, 7%, 63%
CMY	0.2706, 0.9294, 0.3686
CMYK	0.00, 0.90, 0.13, 0.27
HSL	309°, 82%, 40%
HSV	309°, 90%, 73%
XYZ	26.8990, 13.4449, 34.8956
YIQ	84.5340, 54.2250, 80.0890

# Conversions

## Conversions Part 2

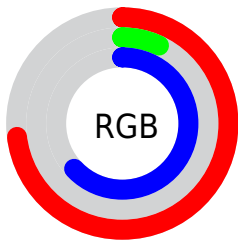
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 18, 161
Decimal	12194465
CIE <sub>Lab</sub>	43.43, 72.13, -34.41
CIE <sub>LCh</sub>	43, 79.914, 334.496
Yxy	13.4449, 0.3575, 0.1787
Android (android.graphics.Color)	4290384545 (0xFFBA12A1)
YUV	84.5340, 37.6977, 88.9857
Hunter-Lab	36.6673, 66.7792, -30.7581

# Details

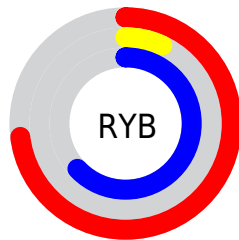
The YUV color **84.5340, 37.6977, 88.9857** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **119.4660, -37.6977, -88.9857**, and the grayscale version is **84.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **152.1820, 31.4623, 82.2784**, and **50.6980, 28.7429, 67.7939** is the 20% darker color. If you saturate the color by 10%, you get **73.6260, 41.5964, 98.5520**, and if you desaturate by 10%, it is **96.0290, 33.5097, 78.9046**.

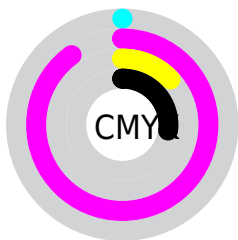
# Distribution



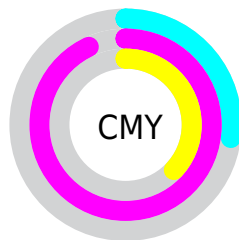
- Red (73%)
- Green (7%)
- Blue (63%)



- Red (73%)
- Yellow (7%)
- Blue (63%)



- Cyan (0%)
- Magenta (90%)
- Yellow (13%)
- Black (27%)




- Cyan (27%)
- Magenta (93%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 84.5340, 37.6977, 88.9857 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 84.5340, 37.6977, 88.9857 by changing the saturation by 10% instead.





 84.5340, 37.6977,  
88.9857


 84.5340, 37.6977,  
88.9857


255.0000, 0.0000,  
0.0000


 62.2190, 35.3880,  
83.1229


 152.1820, 31.4623,  
82.2784


 50.6980, 28.7429,  
67.7939

 175.2020, 34.4104,  
69.9828


 39.4760, 21.9503,  
53.0795


 193.3650, 30.3861,  
54.0539

 28.6670, 15.4472,  
38.8800

 210.3880, 21.9937,  
39.1247

 17.7870, 9.9650,  
23.8658

 227.9980, 13.3120,  
23.6808

 1.5960, 6.1152,  
-1.3997

 245.6080, 4.6303,

 0.0000, 0.0000,

8.2368

0.0000

■ 84.5340, 37.6977,  
88.9857

■ 84.5340, 37.6977,  
88.9857

■ 73.6260, 41.5964,  
98.5520

■ 96.0290, 33.5097,  
78.9046

■ 106.9370, 29.6111,  
69.3383

■ 118.3180, 24.9862,  
59.3571

■ 129.2260, 21.0876,  
49.7908

■ 140.7210, 16.8995,  
39.7097

■ 152.2160, 12.7115,  
29.6286

■ 163.0100, 8.3761,  
20.1622

■ 174.5050, 4.1880,  
10.0811

■ 185.4130, 0.2894,  
0.5148

# Harmonies

## Analogous

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



102.4630, 54.9877, 3.1019



84.5340, 37.6977, 88.9857



74.6310, 10.5349, 121.3496

# Triad

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



84.5340, 37.6977, 88.9857



96.0310, -47.3433, 18.3898



95.9010, 39.9818, -84.1052

# Complementary

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



84.5340, 37.6977, 88.9857



119.4660, -37.6977, -88.9857

# 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.



88.3770, 11.1531, -77.5066



84.5340, 37.6977, 88.9857



81.8130, -40.3338, -36.6700

# Square

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



84.5340, 37.6977, 88.9857



95.1430, -46.9055, 64.7726



78.4080, -19.4281, -68.7638



98.3240, 61.9583, -86.2301



# Rectangle

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



84.5340, 37.6977, 88.9857



68.8320, -7.8052, 123.8043



78.4080, -19.4281, -68.7638



93.5070, 30.8090, -82.0056

# Sweetspot

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



84.5340, 37.6977, 88.9857



202.8190, 14.8792, 34.3617



43.7300, 70.1391, -3.2712



98.5370, 9.1023, 20.5771



250.0000, 0.0000, 0.0000



122.0000, 0.0000, 0.0000



# Same Dimension

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



84.5340, 37.6977, 88.9857



95.8420, 54.3079, 128.1806



75.3000, 2.3171, 97.0839



86.4890, 1.7309, 4.8331



61.6920, 34.6618, 82.7081



11.1080, 6.3558, 14.8143



# Inverse Universe

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



84.5340, 37.6977, 88.9857



95.8420, 54.3079, 128.1806



128.7000, -2.3171, -97.0839



86.4890, 1.7309, 4.8331



61.6920, 34.6618, 82.7081



11.1080, 6.3558, 14.8143



# Previews

## White Background



This preview shows how the YUV color 84.5340, 37.6977, 88.9857 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

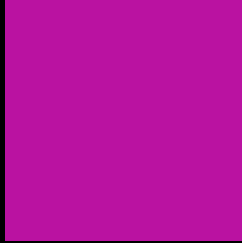
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 84.5340, 37.6977, 88.9857 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

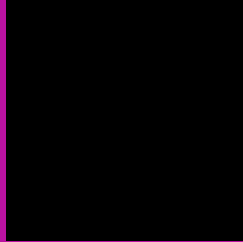
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 84.5340, 37.6977, 88.9857

## Background



This preview shows how black text looks on a background with the YUV color 84.5340, 37.6977, 88.9857.



This preview shows how white text looks on a background with the YUV color 84.5340, 37.6977,



# 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

84.5340, 37.6977, 88.9857

### Protanopia

82.9820, 64.0989, -72.7752

### Deuteranopia

103.0900, 23.6196, -15.8649



## Tritanopia

99.2430, -14.9098, 69.0699

# Trichromacy



## Original Color

84.5340, 37.6977, 88.9857



## Protanomaly

83.5380, 54.4578, -13.6268



## Deuteranomaly

96.4120, 28.8839, 22.4407



## Tritanomaly

93.9230, 3.9820, 76.3665

# Monochromacy



## Original Color

84.5340, 37.6977, 88.9857



## Achromatopsia

85.0000, 0.0000, 0.0000



## Achromatomaly

85.1670, 13.7217, 32.3025

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 84.5340, 37.6977, 88.9857 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, 18, 161)` looks like.

```
.text, #text, p{  
    color:rgb(186, 18, 161)  
}
```

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, 18, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 18, 161) }
```

## Border

The CSS property to change the border of an element to YUV 84.5340, 37.6977, 88.9857 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, 18, 161) }
```



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

```
.border{ border-color:rgb(186, 18, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 18, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 18, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 18, 161);  
box-shadow:4px 4px 4px 4px rgb(186, 18,  
161) }
```

# Background

The CSS property to change the background color of an element to YUV 84.5340, 37.6977, 88.9857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 18, 161) }
```

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

```
.background{ background-color: rgb(186, 18,  
161) }
```

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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