

# Converting Colors

YUV(87.9590, 53.2642, 89.4900)

Have a look what the booklet for  
YUV(87.9590, 53.2642, 89.4900)  
contains.

<b>YUV(87.9590, 53.2642, 89.4900)</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(87.9590, 53.2642,  
89.4900)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BE0FC4
RGB	190, 15, 196
RGB Percent	75%, 6%, 77%
CMY	0.2549, 0.9412, 0.2314
CMYK	0.03, 0.92, 0.00, 0.23
HSL	298°, 86%, 41%
HSV	298°, 92%, 77%
XYZ	31.3698, 15.2743, 53.5194
YIQ	87.9590, 46.1990, 93.3910

# Conversions

## Conversions Part 2

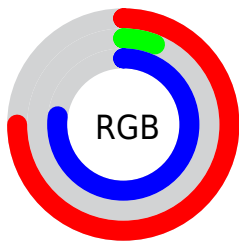
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">190, 15, 196</a>
Decimal	<a href="#">12455876</a>
CIELab	<a href="#">46.01, 78.26, -50.93</a>
CIElCh	<a href="#">46, 93.375, 326.946</a>
Yxy	<a href="#">15.2743, 0.3132, 0.1525</a>
Android (android.graphics.Color)	<a href="#">4290645956 (0xFFBE0FC4)</a>
YUV	<a href="#">87.9590, 53.2642, 89.4900</a>
Hunter-Lab	<a href="#">39.0824, 74.8805, -53.8341</a>

# Details

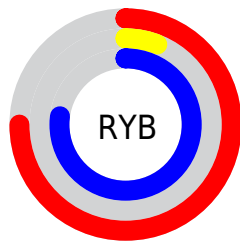
The YUV color **87.9590, 53.2642, 89.4900** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as dark washed purple. A complement of this color would be **123.0410, -53.2642, -89.4900**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **158.1830, 46.7448, 80.5235**, and **55.5420, 42.1308, 67.0537** is the 20% darker color. If you saturate the color by 10%, you get **79.1540, 57.6051, 97.2119**, and if you desaturate by 10%, it is **99.9980, 47.3290, 79.8088**.

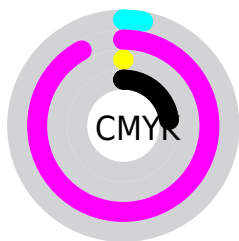
# Distribution



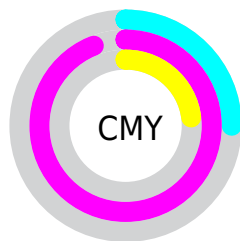
- Red (75%)
- Green (6%)
- Blue (77%)



- Red (75%)
- Yellow (6%)
- Blue (77%)



- Cyan (3%)
- Magenta (92%)
- Yellow (0%)
- Black (23%)




- Cyan (25%)
- Magenta (94%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 87.9590, 53.2642, 89.4900 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 87.9590, 53.2642, 89.4900 by changing the saturation by 10% instead.





 87.9590, 53.2642,  
89.4900


 87.9590, 53.2642,  
89.4900


255.0000, 0.0000,  
0.0000


 67.2910, 49.6495,  
82.1828


 158.1830, 46.7448,  
80.5235


 55.5420, 42.1308,  
67.0537


 177.5160, 38.1996,  
67.9535


 43.9070, 35.0488,  
51.8246


 195.1260, 29.5179,  
52.5095

 32.6850, 28.2563,  
37.1103

 212.1490, 21.1255,  
37.5803

 21.8760, 21.7531,  
22.9107

 229.7590, 12.4438,  
22.1364

 8.0770, 16.7240,  
2.5635

 247.3690, 3.7621,

 2.8670, 8.4466,

6.6924

-2.5144

■ 0.0000, 0.0000,  
0.0000

■ 87.9590, 53.2642,  
89.4900

■ 87.9590, 53.2642,  
89.4900

■ 79.1540, 57.6051,  
97.2119

■ 99.9980, 47.3290,  
79.8088

■ 111.1510, 41.8306,  
70.0276

■ 123.1900, 35.8953,  
60.3464

■ 134.6420, 30.2495,  
51.1800

■ 146.3820, 24.4617,  
40.8840

■ 158.4210, 18.5264,  
31.2028

■ 169.8730, 12.8806,  
22.0364

■ 181.6130, 7.0928,  
11.7404

■ 193.0650, 1.4470,  
2.5740

# Harmonies

## Analogous

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



97.0840, 76.3736, -43.0467



87.9590, 53.2642, 89.4900



83.7600, 18.3593, 131.7605

# Triad

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



87.9590, 53.2642, 89.4900



102.9080, -50.7336, 32.5297



101.9990, 37.9615, -89.4531

# Complementary

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



87.9590, 53.2642, 89.4900



123.0410, -53.2642, -89.4900

# 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.



92.1780, 2.8702, -80.8401



87.9590, 53.2642, 89.4900



90.7280, -44.7289, -26.9485

# Square

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



87.9590, 53.2642, 89.4900



95.8840, -47.2708, 88.6787



78.6580, -38.7784, -68.9831



107.4200, 66.3479, -94.2073



# Rectangle

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



87.9590, 53.2642, 89.4900



78.8430, -4.3596, 138.7037



78.6580, -38.7784, -68.9831



99.0350, 26.6047, -86.8537

# Sweetspot

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



87.9590, 53.2642, 89.4900



212.7250, 20.8416, 35.3212



39.1560, 77.3241, -21.1848



101.5740, 13.0280, 21.4216



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.



87.9590, 53.2642, 89.4900



102.9230, 74.9740, 126.3555



80.1770, 15.6887, 101.5768



91.1300, 2.8939, 5.1480



64.6990, 47.4764, 79.1940



13.3300, 9.6973, 16.3736



# Inverse Universe

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



69.8030, -24.0599, 110.6748



77.1570, -34.0944, 155.9683



130.8230, -15.6887, -101.5768



90.1040, -1.0373, 6.0478



48.7090, -21.5485, 98.4792



9.9810, -4.4276, 20.1877



# Previews

## White Background



This preview shows how the YUV color 87.9590, 53.2642, 89.4900 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

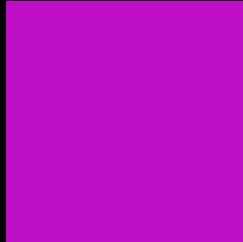
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 87.9590, 53.2642, 89.4900 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

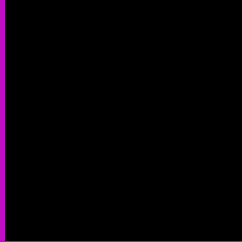
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 87.9590, 53.2642, 89.4900

## Background



This preview shows how black text looks on a background with the YUV color 87.9590, 53.2642, 89.4900.



This preview shows how white text looks on a background with the YUV color 87.9590, 53.2642,



# 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

87.9590, 53.2642, 89.4900

### Protanopia

87.8720, 67.6041, -77.0637

### Deuteranopia

104.0730, 39.4040, -38.6520



## Tritanopia

108.1710, -12.4093, 60.3630

# Trichromacy



## Original Color

87.9590, 53.2642, 89.4900



## Protanomaly

87.8780, 62.1781, -16.5560



## Deuteranomaly

98.0370, 44.3518, 7.8606



## Tritanomaly

100.8390, 11.4184, 71.1782

# Monochromacy



## Original Color

87.9590, 53.2642, 89.4900



## Achromatopsia

88.0000, 0.0000, 0.0000



## Achromatomaly

87.6600, 19.3946, 32.7472

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 87.9590, 53.2642, 89.4900 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(190, 15, 196)` looks like.

```
.text, #text, p{  
    color:rgb(190, 15, 196)  
}
```

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(190, 15, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 15, 196) }
```

## Border

The CSS property to change the border of an element to YUV 87.9590, 53.2642, 89.4900 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(190, 15, 196) }
```



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

```
.border{ border-color:rgb(190, 15, 196) }
```

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

Here you see how a box with a 4 pixel rgb(190, 15, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 15, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 15, 196);  
box-shadow:4px 4px 4px 4px rgb(190, 15,  
196) }
```

# Background

The CSS property to change the background color of an element to YUV 87.9590, 53.2642, 89.4900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 15, 196) }
```

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

```
.background{ background-color: rgb(190, 15,  
196) }
```

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**