

# Converting Colors

YUV(83.5810, 76.6216, 64.3885)

Have a look what the booklet for  
YUV(83.5810, 76.6216, 64.3885)  
contains.

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# Color

**YUV(83.5810, 76.6216,  
64.3885)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | 9D10EF                    |
| RGB           | 157, 16, 239              |
| RGB Percent   | 62%, 6%, 94%              |
| CMY           | 0.3843, 0.9373, 0.0627    |
| CMYK          | 0.34, 0.93, 0.00, 0.06    |
| HSL           | 278°, 87%, 50%            |
| HSV           | 278°, 93%, 94%            |
| XYZ           | 29.6699, 13.7707, 82.7556 |
| YIQ           | 83.5810, 12.4530, 99.2450 |

# Conversions

## Conversions Part 2

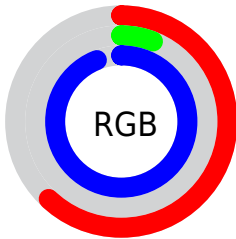
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 157, 16, 239                   |
| Decimal                             | 10293487                       |
| CIE <sub>Lab</sub>                  | 43.90, 80.98, -79.24           |
| CIE <sub>LCh</sub>                  | 44, 113.299, 315.622           |
| Yxy                                 | 13.7707, 0.2351,<br>0.1091     |
| Android<br>(android.graphics.Color) | 4288483567<br>(0xFF9D10EF)     |
| YUV                                 | 83.5810, 76.6216,<br>64.3885   |
| Hunter-Lab                          | 37.1089, 77.7768,<br>-106.2450 |

# Details

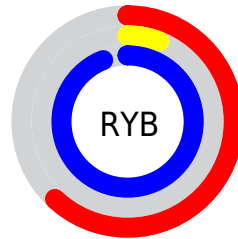
The YUV color **83.5810, 76.6216, 64.3885** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **171.4190, -76.6216, -64.3885**, and the grayscale version is **83.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **147.6690, 52.9142, 61.6803**, and **49.4520, 65.3462, 40.8226** is the 20% darker color. If you saturate the color by 10%, you get **72.3950, 82.1363, 68.9366**, and if you desaturate by 10%, it is **100.3600, 68.3495, 57.5663**.

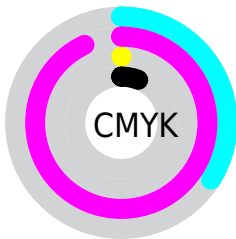
# Distribution



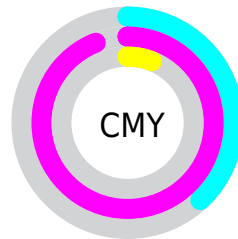
- Red (62%)
- Green (6%)
- Blue (94%)



- Red (62%)
- Yellow (6%)
- Blue (94%)



- Cyan (34%)
- Magenta (93%)
- Yellow (0%)
- Black (6%)




- Cyan (38%)
- Magenta (94%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 83.5810, 76.6216, 64.3885 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 83.5810, 76.6216, 64.3885 by changing the saturation by 10% instead.





 83.5810, 76.6216,  
64.3885


 83.5810, 76.6216,  
64.3885


255.0000, 0.0000,  
0.0000


 61.9130, 73.0069,  
57.0813


 147.6690, 52.9142,  
61.6803


 49.4520, 65.3462,  
40.8226

 173.9610, 39.9522,  
65.8092


 36.3930, 57.9803,  
23.3343


 192.7780, 30.6754,  
54.5687

 21.0560, 52.2304,  
0.8279

 209.8010, 22.2831,  
39.6395

 11.5140, 44.1166,  
-10.0978

 227.4110, 13.6014,  
24.1956

 8.5500, 32.7599,  
-7.4984

 245.0210, 4.9196,

 8.2760, 21.5559,

8.7516

-7.2581

■ 4.5940, 12.5252,  
-4.0289

■ 0.0000, 0.0000,  
0.0000

■ 83.5810, 76.6216,  
64.3885

■ 83.5810, 76.6216,  
64.3885

■ 72.3950, 82.1363,  
68.9366

■ 100.3600, 68.3495,  
57.5663

■ 117.1390, 60.0775,  
50.7441

■ 133.6190, 51.9528,  
43.3071

■ 150.3980, 43.6808,  
36.4850

■ 166.5900, 35.6981,  
30.1776

■ 183.3690, 27.4261,  
23.3554

■ 200.1480, 19.1540,  
16.5332

■ 216.6280, 11.0294,  
9.0962

■ 233.4070, 2.7573,  
2.2741

# Harmonies

## Analogous

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



89.5310, 81.5762, -78.5187



83.5810, 76.6216, 64.3885



88.9030, 31.5998, 131.6351

# Triad

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



83.5810, 76.6216, 64.3885



96.8710, -47.7574, 57.9951



97.2740, 27.4729, -85.3093

# Complementary

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



83.5810, 76.6216, 64.3885



171.4190, -76.6216, -64.3885

# 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.



84.5860, -16.0649, -74.1819



83.5810, 76.6216, 64.3885



91.1260, -44.9251, -10.6345

# Square

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



83.5810, 76.6216, 64.3885



66.6770, -32.8718, 137.0953



75.1360, -37.0420, -65.8943



107.7790, 65.1850, -94.5222



# Rectangle

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



83.5810, 76.6216, 64.3885



86.4340, 2.7440, 146.9554



75.1360, -37.0420, -65.8943



92.9250, 13.3480, -81.4952

# Sweetspot

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



83.5810, 76.6216, 64.3885



205.5490, 24.3793, 20.5665



91.3170, 72.8077, -66.0530



97.3880, 15.0917, 12.8147



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.



83.5810, 76.6216, 64.3885



77.2090, 87.6510, 73.4847



105.1350, 53.1774, 117.3996



111.4610, 4.2097, 3.1037



55.6600, 63.2716, 52.9182



16.8490, 19.3014, 15.9184



# Inverse Universe

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



92.0250, 2.9457, 128.8971



86.9610, 3.4702, 147.3702



149.8650, -53.1774, -117.3996



112.0440, -0.0217, 6.9774



62.7680, 2.5794, 106.3205

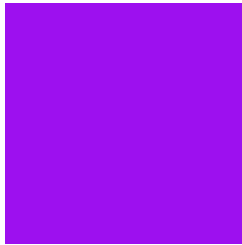


19.1380, 0.9180, 32.3280



# Previews

## White Background



This preview shows how the YUV color 83.5810, 76.6216, 64.3885 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

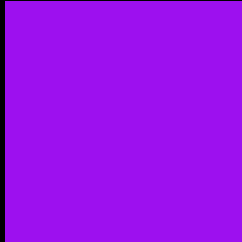
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 83.5810, 76.6216, 64.3885 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

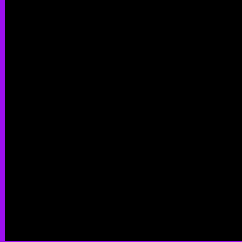
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 83.5810, 76.6216, 64.3885

## Background



This preview shows how black text looks on a background with the YUV color 83.5810, 76.6216, 64.3885.



This preview shows how white text looks on a background with the YUV color 83.5810, 76.6216,



# 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

83.5810, 76.6216, 64.3885

### Protanopia

83.4550, 63.3727, -73.1900

### Deuteranopia

83.7850, 49.4060, -73.4794



## Tritanopia

105.8610, -2.3965, 22.0469

# Trichromacy



## Original Color

83.5810, 76.6216, 64.3885



## Protanomaly

83.4410, 68.3096, -23.1888



## Deuteranomaly

83.7370, 59.2897, -23.4483



## Tritanomaly

97.8160, 26.2197, 36.9954

# Monochromacy



## Original Color

83.5810, 76.6216, 64.3885



## Achromatopsia

84.0000, 0.0000, 0.0000



## Achromatomaly

83.7820, 27.7155, 23.8702

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 83.5810, 76.6216, 64.3885 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(157, 16, 239)` looks like.

```
.text, #text, p{  
    color:rgb(157, 16, 239)  
}
```

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(157, 16, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 16, 239) }
```

## Border

The CSS property to change the border of an element to YUV 83.5810, 76.6216, 64.3885 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(157, 16, 239) }
```



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

```
.border{ border-color:rgb(157, 16, 239) }
```

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

Here you see how a box with a 4 pixel rgb(157, 16, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 16, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 16, 239);  
box-shadow:4px 4px 4px 4px rgb(157, 16,  
239) }
```

# Background

The CSS property to change the background color of an element to YUV 83.5810, 76.6216, 64.3885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 16, 239) }
```

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

```
.background{ background-color: rgb(157, 16,  
239) }
```

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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