

# Converting Colors

YUV(89.5800, 78.1011, 56.4963)

Have a look what the booklet for  
YUV(89.5800, 78.1011, 56.4963)  
contains.

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# Color

**YUV(89.5800, 78.1011,  
56.4963)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9A1AF8
RGB	154, 26, 248
RGB Percent	60%, 10%, 97%
CMY	0.3961, 0.8980, 0.0275
CMYK	0.38, 0.90, 0.00, 0.03
HSL	275°, 94%, 54%
HSV	275°, 90%, 97%
XYZ	30.6391, 14.3861, 89.9689
YIQ	89.5800, 5.0260, 96.1780

# Conversions

## Conversions Part 2

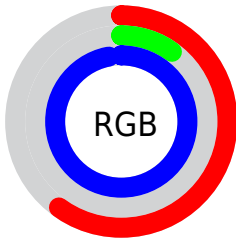
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	154, 26, 248
Decimal	10099448
CIE <sub>Lab</sub>	44.78, 80.84, -82.88
CIE <sub>LCh</sub>	45, 115.778, 314.287
Yxy	14.3861, 0.2270, 0.1066
Android (android.graphics.Color)	4288289528 (0xFF9A1AF8)
YUV	89.5800, 78.1011, 56.4963
Hunter-Lab	37.9290, 77.8165, -114.0874

# Details

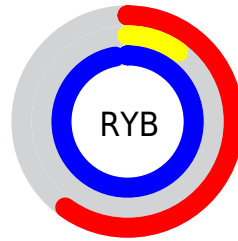
The YUV color **89.5800, 78.1011, 56.4963** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **184.4200, -78.1011, -56.4963**, and the grayscale version is **89.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **149.1200, 52.1988, 57.7768**, and **48.8690, 69.5776, 36.9489** is the 20% darker color. If you saturate the color by 10%, you get **71.6160, 86.9573, 62.6038**, and if you desaturate by 10%, it is **107.5440, 69.2448, 50.3889**.

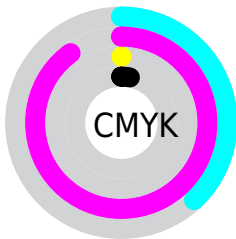
# Distribution



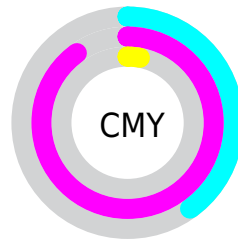
- Red (60%)
- Green (10%)
- Blue (97%)



- Red (60%)
- Yellow (10%)
- Blue (97%)



- Cyan (38%)
- Magenta (90%)
- Yellow (0%)
- Black (3%)




- Cyan (40%)
- Magenta (90%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 89.5800, 78.1011, 56.4963 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 89.5800, 78.1011, 56.4963 by changing the saturation by 10% instead.





 89.5800, 78.1011,  
56.4963


 89.5800, 78.1011,  
56.4963


255.0000, 0.0000,  
0.0000


 61.7430, 77.5277,  
53.7224


 149.1200, 52.1988,  
57.7768


 48.8690, 69.5776,  
36.9489


 175.4120, 39.2369,  
61.9057


 35.5110, 62.3591,  
18.8459


 195.1260, 29.5179,  
52.5095

 15.6890, 58.8203,  
-12.8823

 212.1490, 21.1255,  
37.5803

 12.3120, 47.1742,  
-10.7976

 229.1720, 12.7332,  
22.6512

 9.4620, 36.2542,  
-8.2982

 246.7820, 4.0515,

 10.2480, 24.0347,

7.2072

-8.9875

■ 5.2780, 15.1459,  
-4.6288

■ 1.3680, 5.2416,  
-1.1997

■ 89.5800, 78.1011,  
56.4963

■ 89.5800, 78.1011,  
56.4963

■ 71.6160, 86.9573,  
62.6038

■ 107.5440, 69.2448,  
50.3889

■ 71.0290, 87.2467,  
63.1186

■ 125.2090, 60.5360,  
43.6667

■ 142.5860, 51.9691,  
38.0741

■ 160.2510, 43.2603,  
31.3519

■ 178.2150, 34.4040,  
25.2444

■ 195.8800, 25.6952,  
18.5222

■ 213.8440, 16.8389,  
12.4148

■ 230.9220, 8.4195,  
6.2074

■ 248.8860, -0.4368,  
0.1000

# Harmonies

## Analogous

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



91.8790, 80.4187, -80.5779



89.5800, 78.1011, 56.4963



90.7120, 34.6520, 132.6796

# Triad

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



89.5800, 78.1011, 56.4963



98.9640, -48.7893, 62.2986



98.9210, 26.1679, -86.7537

# Complementary

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



89.5800, 78.1011, 56.4963



184.4200, -78.1011, -56.4963

# 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.



85.3040, -18.3909, -74.8116



89.5800, 78.1011, 56.4963



93.8060, -46.2464, -6.8459

# Square

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



89.5800, 78.1011, 56.4963



68.7700, -33.9036, 141.3987



76.8970, -37.9102, -67.4387



109.8820, 65.6272, -96.3665



# Rectangle

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



89.5800, 78.1011, 56.4963



87.4170, 5.2174, 146.9703



76.8970, -37.9102, -67.4387



94.4580, 11.6062, -82.8397

# Sweetspot

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



89.5800, 78.1011, 56.4963



205.8260, 24.2428, 17.6926



107.6600, 69.1876, -71.6158



98.5510, 14.5184, 10.0408



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.



89.5800, 78.1011, 56.4963



73.0230, 89.7147, 64.8778



115.9760, 57.6928, 115.7850



115.8740, 4.4991, 3.6185



54.1370, 66.4875, 48.1149



17.4190, 21.4854, 15.4185



# Inverse Universe

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



103.0940, 8.3347, 127.0826



88.5570, 9.5854, 145.9705



158.0240, -57.6928, -115.7850



116.5710, 0.7045, 7.3922



65.6310, 7.0839, 108.1946

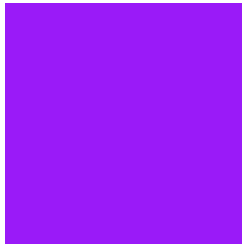


21.2030, 2.3649, 34.9020



# Previews

## White Background



This preview shows how the YUV color 89.5800, 78.1011, 56.4963 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

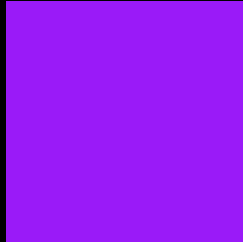
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 89.5800, 78.1011, 56.4963 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

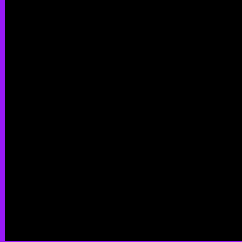
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 89.5800, 78.1011, 56.4963

## Background



This preview shows how black text looks on a background with the YUV color 89.5800, 78.1011, 56.4963.



This preview shows how white text looks on a background with the YUV color 89.5800, 78.1011,

56.4963.

# 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

89.5800, 78.1011, 56.4963

### Protanopia

85.0850, 64.5411, -74.6195

### Deuteranopia

85.1870, 49.7008, -74.7090



## Tritanopia

107.6860, -0.3382, 15.1844

# Trichromacy



## Original Color

89.5800, 78.1011, 56.4963



## Protanomaly

86.7610, 69.6308, -26.9774



## Deuteranomaly

86.9430, 60.1741, -27.1370



## Tritanomaly

100.9400, 28.1306, 30.7476

# Monochromacy



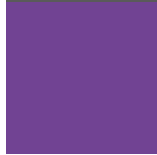
## Original Color

89.5800, 78.1011, 56.4963



## Achromatopsia

90.0000, 0.0000, 0.0000



## Achromatomaly

89.8740, 28.1631, 20.2815

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 89.5800, 78.1011, 56.4963 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(154, 26, 248)` looks like.

```
.text, #text, p{  
    color:rgb(154, 26, 248)  
}
```

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(154, 26, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 26, 248) }
```

## Border

The CSS property to change the border of an element to YUV 89.5800, 78.1011, 56.4963 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(154, 26, 248) }
```



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

```
.border{ border-color:rgb(154, 26, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 26, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 26, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 26, 248);  
box-shadow:4px 4px 4px 4px rgb(154, 26,  
248) }
```

# Background

The CSS property to change the background color of an element to YUV 89.5800, 78.1011, 56.4963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 26, 248) }
```

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

```
.background{ background-color: rgb(154, 26,  
248) }
```

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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