

# Converting Colors

YUV(96.6810, 78.0513, 25.7128)

Have a look what the booklet for  
YUV(96.6810, 78.0513, 25.7128)  
contains.

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# Color

**YUV(96.6810, 78.0513,  
25.7128)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7E33FF
RGB	126, 51, 255
RGB Percent	49%, 20%, 100%
CMY	0.5059, 0.8000, 0.0000
CMYK	0.51, 0.80, 0.00, 0.00
HSL	262°, 100%, 60%
HSV	262°, 80%, 100%
XYZ	27.8380, 14.0233, 95.8473
YIQ	96.6810, -20.7840, 79.3440

# Conversions

## Conversions Part 2

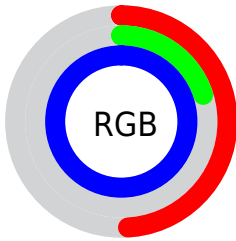
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	126, 51, 255
Decimal	8270847
CIE Lab	44.27, 72.28, -87.77
CIE LCh	44, 113.702, 309.473
Yxy	14.0233, 0.2022, 0.1018
Android (android.graphics.Color)	4286460927 (0xFF7E33FF)
YUV	96.6810, 78.0513, 25.7128
Hunter-Lab	37.4477, 67.1607, -125.5394

# Details

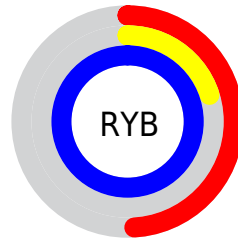
The YUV color **96.6810, 78.0513, 25.7128** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **209.3190, -78.0513, -25.7128**, and the grayscale version is **96.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **148.3900, 52.5587, 35.6150**, and **38.9030, 77.9418, 14.1171** is the 20% darker color. If you saturate the color by 10%, you get **76.6350, 87.9339, 29.2611**, and if you desaturate by 10%, it is **116.7270, 68.1686, 22.1644**.

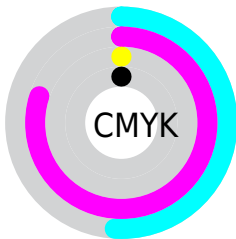
# Distribution



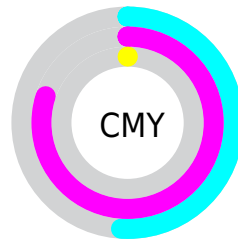
- Red (49%)
- Green (20%)
- Blue (100%)



- Red (49%)
- Yellow (20%)
- Blue (100%)



- Cyan (51%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (80%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 96.6810, 78.0513, 25.7128 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 96.6810, 78.0513, 25.7128 by changing the saturation by 10% instead.



96.6810, 78.0513,  
25.7128

96.6810, 78.0513,  
25.7128

255.0000, 0.0000,  
0.0000

62.3760, 80.6666,  
26.8572

148.3900, 52.5587,  
35.6150

38.9030, 77.9418,  
14.1171

174.0950, 39.8862,  
40.2587

19.2660, 73.8189,  
-16.8963

199.8000, 27.2136,  
44.9024

16.0740, 61.5885,  
-14.0969

217.4320, 18.5210,  
32.9471

12.9960, 49.7950,  
-11.3975

234.4550, 10.1287,  
18.0180

15.4290, 36.2705,  
-13.5312

252.0650, 1.4470,

11.4050, 25.9293,

2.5740

-10.0022

■ 6.4350, 17.0405,  
-5.6435

■ 2.7530, 8.0098,  
-2.4144

■ 96.6810, 78.0513,  
25.7128

■ 96.6810, 78.0513,  
25.7128

■ 76.6350, 87.9339,  
29.2611

■ 116.7270, 68.1686,  
22.1644

■ 57.1760, 97.5272,  
32.2946

■ 136.1860, 58.5753,  
19.1309

■ 156.2320, 48.6926,  
15.5825

■ 175.6910, 39.0993,  
12.5490

■ 196.0360, 29.0693,  
9.6154

■ 215.4950, 19.4760,  
6.5819

■ 235.5410, 9.5933,  
3.0335

■ 255.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



94.8140, 78.9717, -83.1519



96.6810, 78.0513, 25.7128



88.4920, 41.6624, 124.1025

# Triad

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



96.6810, 78.0513, 25.7128



95.4860, -47.0746, 72.3648



95.6950, 18.8844, -83.9245

# Complementary

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



96.6810, 78.0513, 25.7128



209.3190, -78.0513, -25.7128

# 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.



81.7360, -26.9848, -71.6825



96.6810, 78.0513, 25.7128



95.3560, -47.0105, 4.9498

# Square

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



96.6810, 78.0513, 25.7128



69.6670, -34.3458, 143.2430



75.1360, -37.0420, -65.8943



107.3570, 58.4910, -94.1521



# Rectangle

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



96.6810, 78.0513, 25.7128



88.6000, 11.0432, 145.0558



75.1360, -37.0420, -65.8943



91.3460, 4.7594, -80.1104

# Sweetspot

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



96.6810, 78.0513, 25.7128



207.5320, 23.4017, 7.4264



149.9790, 51.7754, -86.8046



99.1050, 14.2452, 4.2929



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.



96.6810, 78.0513, 25.7128



64.8400, 93.7489, 30.8353



127.1790, 63.0158, 88.4200



117.6780, 5.0887, 1.1594



42.7040, 73.1099, 23.9386



14.1730, 24.5647, 7.7413



# Inverse Universe

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



126.7020, 26.2759, 112.5173



100.9250, 31.5890, 135.1238



178.8210, -63.0158, -88.4200



119.7990, 1.5781, 7.1923



70.9030, 24.6978, 105.3251

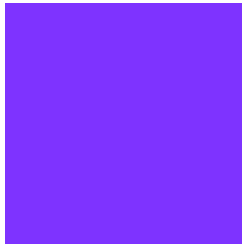


23.6960, 8.0379, 35.3466



# Previews

## White Background



This preview shows how the YUV color 96.6810, 78.0513, 25.7128 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

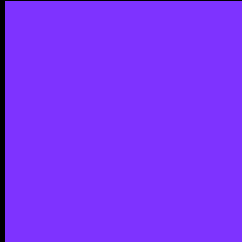
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 96.6810, 78.0513, 25.7128 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

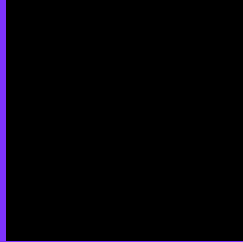
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 96.6810, 78.0513, 25.7128

## Background



This preview shows how black text looks on a background with the YUV color 96.6810, 78.0513, 25.7128.



This preview shows how white text looks on a background with the YUV color 96.6810, 78.0513,

25.7128.

# 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

96.6810, 78.0513, 25.7128

### Protanopia

83.4550, 63.3727, -73.1900

### Deuteranopia

83.5570, 48.5324, -73.2795



## Tritanopia

102.3340, 6.7373, -14.3249

# Trichromacy



## Original Color

96.6810, 78.0513, 25.7128



## Protanomaly

88.4670, 68.7898, -37.2436



## Deuteranomaly

88.6490, 59.3330, -37.4032



## Tritanomaly

100.3060, 32.8801, 0.6086

# Monochromacy



## Original Color

96.6810, 78.0513, 25.7128



## Achromatopsia

97.0000, 0.0000, 0.0000



## Achromatomaly

96.8080, 28.1957, 9.8154

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 96.6810, 78.0513, 25.7128 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(126, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(126, 51, 255)  
}
```

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(126, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 51, 255) }
```

## Border

The CSS property to change the border of an element to YUV 96.6810, 78.0513, 25.7128 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(126, 51, 255) }
```



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

```
.border{ border-color:rgb(126, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(126, 51,  
255) }
```

# Background

The CSS property to change the background color of an element to YUV 96.6810, 78.0513, 25.7128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 51, 255) }
```

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

```
.background{ background-color: rgb(126, 51,  
255) }
```

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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