

# Converting Colors

YUV(89.0170, 81.8296, 27.1721)

Have a look what the booklet for  
YUV(89.0170, 81.8296, 27.1721)  
contains.

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# Color

**YUV(89.0170, 81.8296,  
27.1721)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7829FF
RGB	120, 41, 255
RGB Percent	47%, 16%, 100%
CMY	0.5294, 0.8392, 0.0000
CMYK	0.53, 0.84, 0.00, 0.00
HSL	262°, 100%, 58%
HSV	262°, 84%, 100%
XYZ	26.5887, 12.7989, 95.6768
YIQ	89.0170, -21.6100, 83.3020

# Conversions

## Conversions Part 2

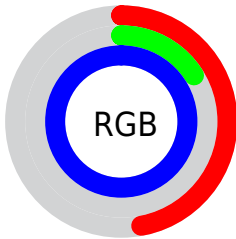
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	120, 41, 255
Decimal	7875071
CIE Lab	42.46, 75.03, -90.77
CIE LCh	42, 117.767, 309.576
Yxy	12.7989, 0.1969, 0.0948
Android (android.graphics.Color)	4286065151 (0xFF7829FF)
YUV	89.0170, 81.8296, 27.1721
Hunter-Lab	35.7756, 70.0550, -133.5198

# Details

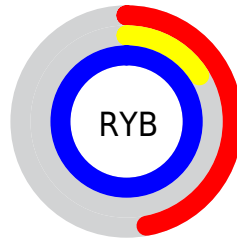
The YUV color **89.0170, 81.8296, 27.1721** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **206.9830, -81.8296, -27.1721**, and the grayscale version is **88.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **142.1990, 55.6109, 36.6595**, and **35.6140, 79.5633, 7.3545** is the 20% darker color. If you saturate the color by 10%, you get **69.5580, 91.4229, 30.2056**, and if you desaturate by 10%, it is **108.4760, 72.2363, 24.1385**.

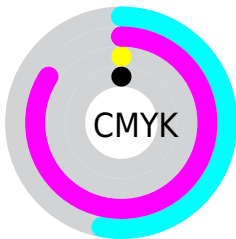
# Distribution



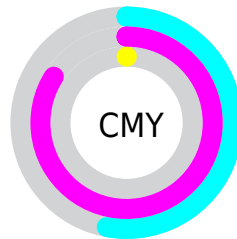
- Red (47%)
- Green (16%)
- Blue (100%)



- Red (47%)
- Yellow (16%)
- Blue (100%)



- Cyan (53%)
- Magenta (84%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (84%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 89.0170, 81.8296, 27.1721 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 89.0170, 81.8296, 27.1721 by changing the saturation by 10% instead.



89.0170, 81.8296,  
27.1721

89.0170, 81.8296,  
27.1721

255.0000, 0.0000,  
0.0000

51.4780, 86.0393,  
30.2758

142.1990, 55.6109,  
36.6595

35.6140, 79.5633,  
7.3545

167.9040, 42.9383,  
41.3032

19.1520, 73.3821,  
-16.7963

193.9080, 30.1184,  
46.5617

16.0740, 61.5885,  
-14.0969

213.3230, 20.5468,  
36.5507

12.9960, 49.7950,  
-11.3975

230.3460, 12.1544,  
21.6216

17.6630, 34.6761,  
-15.4905

247.3690, 3.7621,

11.4050, 25.9293,

6.6924

-10.0022

■ 6.4350, 17.0405,  
-5.6435

■ 2.7530, 8.0098,  
-2.4144

■ 89.0170, 81.8296,  
27.1721

■ 89.0170, 81.8296,  
27.1721

■ 69.5580, 91.4229,  
30.2056

■ 108.4760, 72.2363,  
24.1385

■ 57.1760, 97.5272,  
32.2946

■ 128.5220, 62.3537,  
20.5902

■ 148.5680, 52.4710,  
17.0419

■ 168.0270, 42.8777,  
14.0083

■ 188.0730, 32.9950,  
10.4600

■ 207.8310, 23.2543,  
8.0412

■ 227.8770, 13.3716,  
4.4929

■ 247.3360, 3.7784,  
1.4593

■ 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.



92.4660, 80.1293, -81.0927



89.0170, 81.8296, 27.1721



87.9650, 40.9363, 123.6877

# Triad

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



89.0170, 81.8296, 27.1721



90.7680, -44.7486, 72.9945



92.4180, 19.0209, -81.0506

# Complementary

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



89.0170, 81.8296, 27.1721



206.9830, -81.8296, -27.1721

# 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.



77.6610, -29.9059, -68.1087



89.0170, 81.8296, 27.1721



90.9150, -44.8211, 2.7055

# Square

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



89.0170, 81.8296, 27.1721



69.0690, -34.0510, 142.0135



72.2010, -35.5951, -63.3203



104.4220, 59.9380, -91.5781



# Rectangle

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



89.0170, 81.8296, 27.1721



87.5460, 9.5908, 144.2262



72.2010, -35.5951, -63.3203



87.9550, 4.4592, -77.1365

# Sweetspot

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



89.0170, 81.8296, 27.1721



205.4720, 24.4173, 8.3561



145.2280, 54.1176, -91.4080



97.6320, 14.9714, 4.7077



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.



89.0170, 81.8296, 27.1721



57.1760, 97.5272, 32.2946



120.7110, 66.2045, 92.3385



117.6780, 5.0887, 1.1594



43.0030, 72.9625, 24.5534



14.4720, 24.4173, 8.3561



# Inverse Universe

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



120.3760, 27.4226, 118.0652



94.5990, 32.7357, 140.6717



175.2890, -66.2045, -92.3385



119.7990, 1.5781, 7.1923



70.9030, 24.6978, 105.3251

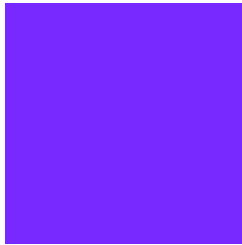


23.6960, 8.0379, 35.3466



# Previews

## White Background



This preview shows how the YUV color 89.0170, 81.8296, 27.1721 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

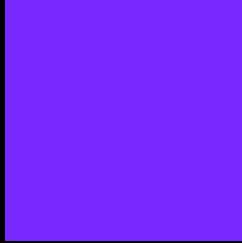
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 89.0170, 81.8296, 27.1721 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

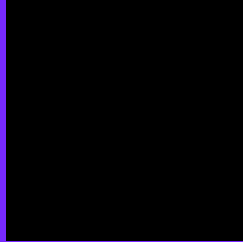
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 89.0170, 81.8296, 27.1721

## Background



This preview shows how black text looks on a background with the YUV color 89.0170, 81.8296, 27.1721.



This preview shows how white text looks on a background with the YUV color 89.0170, 81.8296,



# 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

89.0170, 81.8296, 27.1721

### Protanopia

79.4940, 60.8885, -69.7162

### Deuteranopia

80.1830, 45.7588, -70.3205



## Tritanopia

96.9420, 7.9166, -19.2431

# Trichromacy



## Original Color

89.0170, 81.8296, 27.1721



## Protanomaly

83.0760, 68.4895, -34.2697



## Deuteranomaly

83.2580, 59.0328, -34.4293



## Tritanomaly

94.1530, 34.9276, -2.7652

# Monochromacy



## Original Color

89.0170, 81.8296, 27.1721



## Achromatopsia

89.0000, 0.0000, 0.0000



## Achromatomaly

89.1500, 29.5061, 9.5155

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 89.0170, 81.8296, 27.1721 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(120, 41, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 41, 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(120, 41, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 41, 255) }
```

## Border

The CSS property to change the border of an element to YUV 89.0170, 81.8296, 27.1721 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(120, 41, 255) }
```



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

```
.border{ border-color:rgb(120, 41, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 41, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 41, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 41, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 41,  
255) }
```

# Background

The CSS property to change the background color of an element to YUV 89.0170, 81.8296, 27.1721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 41, 255) }
```

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

```
.background{ background-color: rgb(120, 41,  
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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