

# Converting Colors

YUV(89.7220, 69.1571, 31.8158)

Have a look what the booklet for  
YUV(89.7220, 69.1571, 31.8158)  
contains.

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# Color

**YUV(89.7220, 69.1571,  
31.8158)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7E2CE6
RGB	126, 44, 230
RGB Percent	49%, 17%, 90%
CMY	0.5059, 0.8275, 0.0980
CMYK	0.45, 0.81, 0.00, 0.10
HSL	266°, 79%, 54%
HSV	266°, 81%, 90%
XYZ	23.7878, 11.9502, 75.9158
YIQ	89.7220, -10.8340, 75.2300

# Conversions

## Conversions Part 2

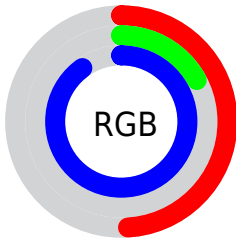
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	126, 44, 230
Decimal	8269030
CIE Lab	41.14, 68.82, -78.83
CIE LCh	41, 104.644, 311.118
Yxy	11.9502, 0.2130, 0.1070
Android (android.graphics.Color)	4286459110 (0xFF7E2CE6)
YUV	89.7220, 69.1571, 31.8158
Hunter-Lab	34.5690, 62.3346, -106.0064

# Details

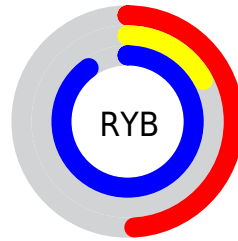
The YUV color **89.7220, 69.1571, 31.8158** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **184.2780, -69.1571, -31.8158**, and the grayscale version is **89.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **144.2700, 54.5899, 37.4742**, and **37.9610, 66.5742, 20.2052** is the 20% darker color. If you saturate the color by 10%, you get **72.3340, 77.7293, 35.6641**, and if you desaturate by 10%, it is **107.1100, 60.5848, 27.9675**.

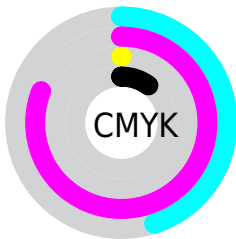
# Distribution



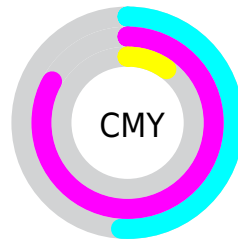
- Red (49%)
- Green (17%)
- Blue (90%)



- Red (49%)
- Yellow (17%)
- Blue (90%)



- Cyan (45%)
- Magenta (81%)
- Yellow (0%)
- Black (10%)



- Cyan (51%)
- Magenta (83%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 89.7220, 69.1571, 31.8158 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 89.7220, 69.1571, 31.8158 by changing the saturation by 10% instead.



89.7220, 69.1571,  
31.8158

89.7220, 69.1571,  
31.8158

255.0000, 0.0000,  
0.0000

53.0800, 72.9246,  
36.7638

144.2700, 54.5899,  
37.4742

37.9610, 66.5742,  
20.2052

169.0890, 42.3541,  
42.0179

20.2320, 62.0036,  
-7.2195

194.7940, 29.6816,  
46.6617

13.5660, 51.9790,  
-11.8974

213.3230, 20.5468,  
36.5507

10.6020, 40.6222,  
-9.2980

230.3460, 12.1544,  
21.6216

12.4480, 27.3871,  
-10.9169

247.3690, 3.7621,

6.8910, 18.7877,

6.6924

-6.0434

■ 3.2090, 9.7570,  
-2.8143

■ 0.0000, 0.0000,  
0.0000

■ 89.7220, 69.1571,  
31.8158

■ 89.7220, 69.1571,  
31.8158

■ 72.3340, 77.7293,  
35.6641

■ 107.1100, 60.5848,  
27.9675

■ 56.4190, 85.5754,  
39.0975

■ 124.4980, 52.0125,  
24.1193

■ 141.8860, 43.4402,  
20.2710

■ 158.9750, 35.0153,  
15.8079

■ 176.3630, 26.4430,  
11.9596

■ 193.7510, 17.8708,  
8.1114

■ 211.1390, 9.2985,  
4.2631

■ 228.5270, 0.7262,  
0.4148

■ 245.9150, -7.8461,  
-3.4335

# Harmonies

## Analogous

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



88.3570, 82.1550, -77.4891



89.7220, 69.1571, 31.8158



81.6560, 36.1586, 116.0657

# Triad

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



89.7220, 69.1571, 31.8158



89.8160, -44.2793, 62.4284



89.1410, 19.1575, -78.1767

# Complementary

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



89.7220, 69.1571, 31.8158



184.2780, -69.1571, -31.8158

# 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.



76.6640, -21.0334, -67.2343



89.7220, 69.1571, 31.8158



87.9580, -43.3633, 1.7908

# Square

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



89.7220, 69.1571, 31.8158



63.6870, -31.3977, 130.9475



69.8530, -34.4375, -61.2611



99.1900, 55.1223, -86.9896



# Rectangle

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



89.7220, 69.1571, 31.8158



81.1380, 8.3130, 134.0600



69.8530, -34.4375, -61.2611



85.1340, 6.3429, -74.6625

# Sweetspot

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



89.7220, 69.1571, 31.8158



209.0270, 22.6647, 10.5003



126.8390, 50.8584, -72.6498



100.0020, 13.8030, 6.1372



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.



89.7220, 69.1571, 31.8158



68.7490, 91.8217, 42.3161



117.2300, 55.5956, 88.3753



105.8630, 4.5045, 1.8741



44.0270, 66.5417, 30.6713



12.3920, 19.0337, 8.4262



# Inverse Universe

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



111.4700, 18.0093, 103.9508



97.5850, 23.8686, 138.0530



156.7700, -55.5956, -88.3753



107.3860, 1.2887, 6.6775



64.9210, 17.2939, 100.0473

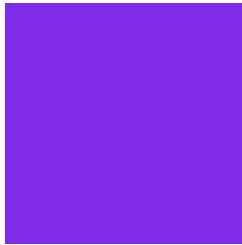


18.5550, 5.1494, 28.4543



# Previews

## White Background



This preview shows how the YUV color 89.7220, 69.1571, 31.8158 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

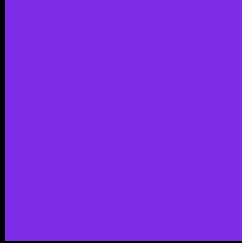
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 89.7220, 69.1571, 31.8158 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

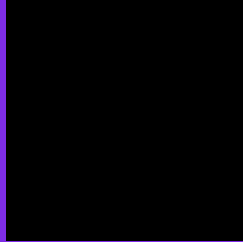
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 89.7220, 69.1571, 31.8158

## Background



This preview shows how black text looks on a background with the YUV color 89.7220, 69.1571, 31.8158.



This preview shows how white text looks on a background with the YUV color 89.7220, 69.1571,



# 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

89.7220, 69.1571, 31.8158

### Protanopia

77.6360, 58.8465, -68.0868

### Tritanopia

97.2000, 3.3524, -1.9294

# Trichromacy



## Original Color

89.7220, 69.1571, 31.8158

## Protanomaly

82.1920, 62.5163, -31.7404

## Tritanomaly

94.5800, 27.3221, 10.0153

# Monochromacy



## Original Color

89.7220, 69.1571, 31.8158

## Achromatopsia

90.0000, 0.0000, 0.0000

## Achromatomaly

89.7220, 25.2801, 11.6448

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 89.7220, 69.1571, 31.8158 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, 44, 230)` looks like.

```
.text, #text, p{  
    color:rgb(126, 44, 230)  
}
```

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, 44, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 44, 230) }
```

## Border

The CSS property to change the border of an element to YUV 89.7220, 69.1571, 31.8158 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, 44, 230) }
```

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

```
.border{ border-color:rgb(126, 44, 230) }
```

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

Here you see how a box with a 4 pixel rgb(126, 44, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 44, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 44, 230);  
box-shadow:4px 4px 4px 4px rgb(126, 44,  
230) }
```



# Background

The CSS property to change the background color of an element to YUV 89.7220, 69.1571, 31.8158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 44, 230) }
```

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

```
.background{ background-color: rgb(126, 44,  
230) }
```

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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