

# Converting Colors

YUV(70.9730, 85.3023, 33.3497)

Have a look what the booklet for  
YUV(70.9730, 85.3023, 33.3497)  
contains.

<b>YUV(70.9730, 85.3023, 33.3497)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(70.9730, 85.3023,  
33.3497)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6D12F4
RGB	109, 18, 244
RGB Percent	43%, 7%, 96%
CMY	0.5725, 0.9294, 0.0431
CMYK	0.55, 0.93, 0.00, 0.04
HSL	264°, 91%, 51%
HSV	264°, 93%, 96%
XYZ	22.8521, 10.2155, 86.3553
YIQ	70.9730, -18.3100, 89.5780

# Conversions

## Conversions Part 2

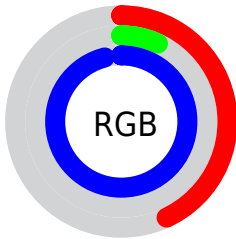
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	109, 18, 244
Decimal	7148276
CIELab	38.23, 77.17, -91.63
CIELCh	38, 119.803, 310.104
Yxy	10.2155, 0.1914, 0.0855
Android (android.graphics.Color)	4285338356 (0xFF6D12F4)
YUV	70.9730, 85.3023, 33.3497
Hunter-Lab	31.9617, 71.6920, -137.8189

# Details

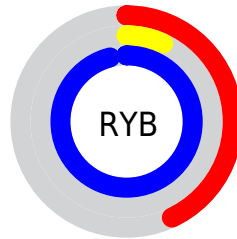
The YUV color **70.9730, 85.3023, 33.3497** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed purple. A complement of this color would be **191.0270, -85.3023, -33.3497**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **130.9910, 61.1364, 37.7189**, and **27.7820, 78.0015, -5.0708** is the 20% darker color. If you saturate the color by 10%, you get **57.1180, 92.1328, 35.8535**, and if you desaturate by 10%, it is **89.5460, 76.1458, 30.2162**.

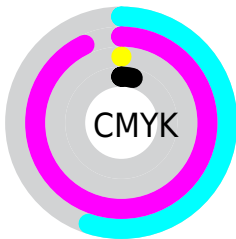
# Distribution



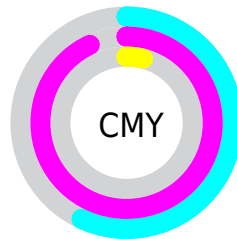
- Red (43%)
- Green (7%)
- Blue (96%)



- Red (43%)
- Yellow (7%)
- Blue (96%)



- Cyan (55%)
- Magenta (93%)
- Yellow (0%)
- Black (4%)



- Cyan (57%)
- Magenta (93%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 70.9730, 85.3023, 33.3497 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 70.9730, 85.3023, 33.3497 by changing the saturation by 10% instead.



70.9730, 85.3023,  
33.3497

70.9730, 85.3023,  
33.3497

255.0000, 0.0000,  
0.0000

46.3370, 83.1509,  
23.3835

130.9910, 61.1364,  
37.7189

27.7820, 78.0015,  
-5.0708

156.6960, 48.4639,  
42.3626

18.0120, 69.0141,  
-15.7965

182.7000, 35.6439,  
47.6211

14.9340, 57.2205,  
-13.0971

204.5180, 24.8876,  
44.2727

11.8560, 45.4270,  
-10.3977

221.5410, 16.4953,  
29.3435

14.8760, 31.6131,  
-13.0463

238.5640, 8.1029,

9.2050, 22.5769,

14.4144

-8.0728

■ 4.9360, 13.8356,  
-4.3289

■ 0.6840, 2.6208,  
-0.5999

■ 70.9730, 85.3023,  
33.3497

■ 70.9730, 85.3023,  
33.3497

■ 57.1180, 92.1328,  
35.8535

■ 89.5460, 76.1458,  
30.2162

■ 108.4070, 66.8473,  
25.9531

■ 126.9800, 57.6909,  
22.8195

■ 145.8410, 48.3924,  
18.5564

■ 164.4140, 39.2359,  
15.4229

■ 182.6880, 30.2268,  
11.6746

■ 201.8480, 20.7809,  
8.0263

■ 220.4210, 11.6244,  
4.8928

■ 239.2820, 2.3260,  
0.6297

# Harmonies

## Analogous

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



86.5960, 83.0232, -75.9447



70.9730, 85.3023, 33.3497



83.3080, 37.3162, 118.1249

# Triad

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



70.9730, 85.3023, 33.3497



80.7120, -39.7910, 69.5356



84.3480, 18.5624, -73.9732

# Complementary

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



70.9730, 85.3023, 33.3497



191.0270, -85.3023, -33.3497

# 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.



69.0210, -32.5484, -60.5314



70.9730, 85.3023, 33.3497



80.8590, -39.8635, -0.7533

# Square

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



70.9730, 85.3023, 33.3497



64.8830, -31.9873, 133.4066



65.7440, -32.4118, -57.6575



96.9390, 59.1901, -85.0155



# Rectangle

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



70.9730, 85.3023, 33.3497



82.8890, 5.9707, 138.6633



65.7440, -32.4118, -57.6575



79.8850, 4.0007, -70.0591

# Sweetspot

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



70.9730, 85.3023, 33.3497



200.4660, 26.8853, 10.1153



123.5960, 59.3592, -92.6077



94.3980, 16.5658, 6.6670



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.



70.9730, 85.3023, 33.3497



59.8670, 96.2006, 37.8276



104.4610, 68.7927, 102.2047



112.8630, 4.5045, 1.8741



43.6290, 70.1889, 27.5124



13.9020, 22.2333, 8.8559



# Inverse Universe

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



100.9640, 25.6537, 125.4426



93.5730, 28.8045, 141.5715



157.5390, -68.7927, -102.2047



114.3860, 1.2887, 6.6775



68.2680, 21.0669, 103.2510

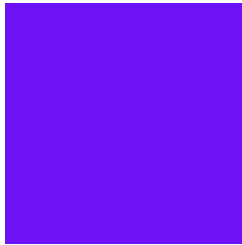


21.6310, 6.5909, 32.7726



# Previews

## White Background



This preview shows how the YUV color 70.9730, 85.3023, 33.3497 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

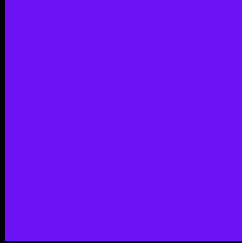
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 70.9730, 85.3023, 33.3497 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

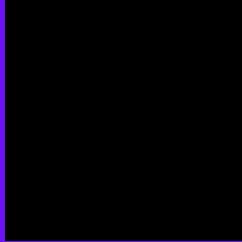
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 70.9730, 85.3023, 33.3497

## Background



This preview shows how black text looks on a background with the YUV color 70.9730, 85.3023, 33.3497.



This preview shows how white text looks on a background with the YUV color 70.9730, 85.3023,



# 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

70.9730, 85.3023, 33.3497

### Protanopia

71.9310, 54.7570, -63.0835

### Deuteranopia

72.3750, 41.2271, -63.4729



## Tritanopia

86.1480, 8.8010, -22.9318

# Trichromacy



## Original Color

70.9730, 85.3023, 33.3497

## Protanomaly

71.7240, 65.7051, -27.8219

## Deuteranomaly

72.1340, 57.1219, -28.1815

## Tritanomaly

80.9080, 36.5274, -2.5503

# Monochromacy



## Original Color

70.9730, 85.3023, 33.3497

## Achromatopsia

71.0000, 0.0000, 0.0000

## Achromatomaly

71.2150, 30.9530, 12.0894

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 70.9730, 85.3023, 33.3497 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(109, 18, 244)` looks like.

```
.text, #text, p{  
    color:rgb(109, 18, 244)  
}
```

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(109, 18, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 18, 244) }
```

## Border

The CSS property to change the border of an element to YUV 70.9730, 85.3023, 33.3497 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".

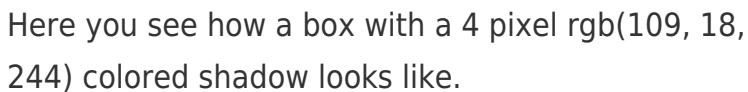
```
.border, #border, table{ border:4px solid rgb(109, 18, 244) }
```



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

```
.border{ border-color:rgb(109, 18, 244) }
```

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



Here you see how a box with a 4 pixel `rgb(109, 18, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 18, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 18, 244);  
box-shadow:4px 4px 4px 4px rgb(109, 18,  
244) }
```

# Background

The CSS property to change the background color of an element to YUV 70.9730, 85.3023, 33.3497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 18, 244) }
```

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

```
.background{ background-color: rgb(109, 18,  
244) }
```

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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