

# Converting Colors

YUV(81.1400, 71.9090, 35.8342)

Have a look what the booklet for  
YUV(81.1400, 71.9090, 35.8342)  
contains.

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# Color

**YUV(81.1400, 71.9090,  
35.8342)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7A20E3
RGB	122, 32, 227
RGB Percent	48%, 13%, 89%
CMY	0.5216, 0.8745, 0.1098
CMYK	0.46, 0.86, 0.00, 0.11
HSL	268°, 78%, 51%
HSV	268°, 86%, 89%
XYZ	22.4077, 10.7167, 73.5605
YIQ	81.1400, -8.9550, 79.7250

# Conversions

## Conversions Part 2

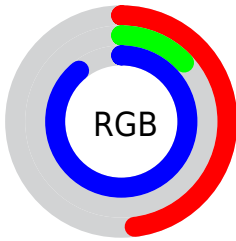
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	122, 32, 227
Decimal	8003811
CIE Lab	39.10, 71.38, -80.49
CIE LCh	39, 107.587, 311.567
Yxy	10.7167, 0.2100, 0.1005
Android (android.graphics.Color)	4286193891 (0xFF7A20E3)
YUV	81.1400, 71.9090, 35.8342
Hunter-Lab	32.7363, 64.8930, -110.3130

# Details

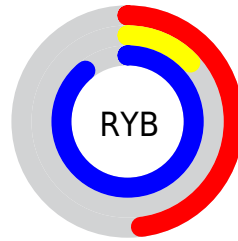
The YUV color **81.1400, 71.9090, 35.8342** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **177.8600, -71.9090, -35.8342**, and the grayscale version is **80.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **137.7910, 57.7840, 39.6483**, and **36.1240, 66.0009, 17.4313** is the 20% darker color. If you saturate the color by 10%, you get **64.0510, 80.3339, 40.2973**, and if you desaturate by 10%, it is **98.2290, 63.4841, 31.3712**.

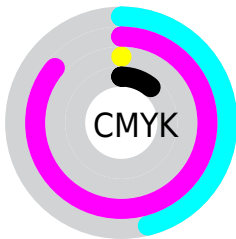
# Distribution



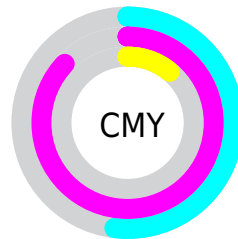
- Red (48%)
- Green (13%)
- Blue (89%)



- Red (48%)
- Yellow (13%)
- Blue (89%)



- Cyan (46%)
- Magenta (86%)
- Yellow (0%)
- Black (11%)



- Cyan (52%)
- Magenta (87%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 81.1400, 71.9090, 35.8342 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 81.1400, 71.9090, 35.8342 by changing the saturation by 10% instead.



81.1400, 71.9090,  
35.8342

81.1400, 71.9090,  
35.8342

255.0000, 0.0000,  
0.0000

49.4820, 73.2194,  
35.5343

137.7910, 57.7840,  
39.6483

36.1240, 66.0009,  
17.4313

163.4960, 45.1115,  
44.2920

16.3020, 62.4621,  
-14.2969

188.9020, 32.5863,  
48.3209

13.2240, 50.6686,  
-11.5974

208.6270, 22.8619,  
40.6691

10.2600, 39.3118,  
-8.9980

225.6500, 14.4696,  
25.7400

11.6330, 26.8029,  
-10.2021

242.6730, 6.0772,

6.6630, 17.9141,

10.8108

-5.8435

■ 2.9810, 8.8834,  
-2.6143

■ 0.0000, 0.0000,  
0.0000

■ 81.1400, 71.9090,  
35.8342

■ 81.1400, 71.9090,  
35.8342

■ 64.0510, 80.3339,  
40.2973

■ 98.2290, 63.4841,  
31.3712

■ 57.2730, 83.6754,  
41.8566

■ 114.7310, 55.3486,  
27.4229

■ 132.1190, 46.7763,  
23.5746

■ 149.2080, 38.3515,  
19.1116

■ 166.2970, 29.9266,  
14.6485

■ 182.7990, 21.7911,  
10.7003

■ 200.1870, 13.2188,  
6.8520

■ 217.2760, 4.7939,  
2.3889

■ 233.7780, -3.3416,  
-1.5593

# Harmonies

## Analogous

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



86.0090, 83.3126, -75.4299



81.1400, 71.9090, 35.8342



80.1890, 34.4168, 114.7212

# Triad

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



81.1400, 71.9090, 35.8342



84.5000, -41.6585, 61.8285



85.9780, 19.7308, -75.4027

# Complementary

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



81.1400, 71.9090, 35.8342



177.8600, -71.9090, -35.8342

# 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.



73.0450, -22.2072, -64.0605



81.1400, 71.9090, 35.8342



82.9190, -40.8791, -1.6830

# Square

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



81.1400, 71.9090, 35.8342



62.1920, -30.6607, 127.8736



66.9180, -32.9906, -58.6871



96.1410, 56.1325, -84.3157



# Rectangle

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



81.1400, 71.9090, 35.8342



79.2580, 6.2818, 132.2007



66.9180, -32.9906, -58.6871



81.8570, 6.4795, -71.7886

# Sweetspot

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



81.1400, 71.9090, 35.8342



205.4940, 24.4065, 11.8448



117.0390, 54.2108, -74.5792



97.9420, 14.8186, 7.0669



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.



81.1400, 71.9090, 35.8342



64.3520, 93.9895, 47.0493



109.5450, 57.9053, 94.2380



106.1620, 4.3571, 2.4889



44.9240, 66.0995, 32.5157



12.9900, 18.7389, 9.6558



# Inverse Universe

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



102.2750, 17.1194, 109.3838



91.8630, 22.2525, 143.0711



149.4550, -57.9053, -94.2380



107.2720, 0.8519, 6.7775



64.4650, 15.5468, 100.4472

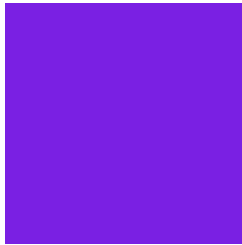


18.3270, 4.2758, 28.6542



# Previews

## White Background



This preview shows how the YUV color 81.1400, 71.9090, 35.8342 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

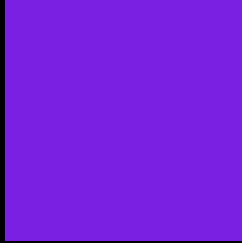
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 81.1400, 71.9090, 35.8342 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

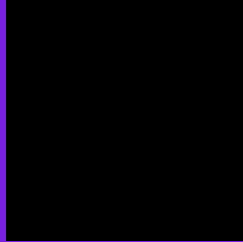
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 81.1400, 71.9090, 35.8342

## Background



This preview shows how black text looks on a background with the YUV color 81.1400, 71.9090, 35.8342.



This preview shows how white text looks on a background with the YUV color 81.1400, 71.9090,



# 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

81.1400, 71.9090, 35.8342

### Protanopia

73.6750, 56.3622, -64.6130

### Deuteranopia

74.1190, 42.8323, -65.0024



## Tritanopia

92.2000, 3.3524, -1.9294

# Trichromacy



**Original Color**

81.1400, 71.9090, 35.8342

**Protanomaly**

76.1000, 62.0687, -28.1517

**Deuteranomaly**

76.5100, 53.4856, -28.5113

**Tritanomaly**

88.2320, 28.4796, 12.0745

# Monochromacy



**Original Color**

81.1400, 71.9090, 35.8342

**Achromatopsia**

81.0000, 0.0000, 0.0000

**Achromatomaly**

80.9610, 26.1482, 13.1892

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 81.1400, 71.9090, 35.8342 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(122, 32, 227)` looks like.

```
.text, #text, p{  
    color:rgb(122, 32, 227)  
}
```

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(122, 32, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 32, 227) }
```

## Border

The CSS property to change the border of an element to YUV 81.1400, 71.9090, 35.8342 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(122, 32, 227) }
```



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

```
.border{ border-color:rgb(122, 32, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 32, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 32, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 32, 227);  
box-shadow:4px 4px 4px 4px rgb(122, 32,  
227) }
```

# Background

The CSS property to change the background color of an element to YUV 81.1400, 71.9090, 35.8342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 32, 227) }
```

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

```
.background{ background-color: rgb(122, 32,  
227) }
```

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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