

# Converting Colors

YUV(81.6730, 23.3322, 76.5858)

Have a look what the booklet for  
YUV(81.6730, 23.3322, 76.5858)  
contains.

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# Color

**YUV(81.6730, 23.3322,  
76.5858)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A91C81
RGB	169, 28, 129
RGB Percent	66%, 11%, 51%
CMY	0.3373, 0.8902, 0.4941
CMYK	0.00, 0.83, 0.24, 0.34
HSL	317°, 72%, 39%
HSV	317°, 83%, 66%
XYZ	20.7399, 10.8505, 21.7701
YIQ	81.6730, 51.6150, 61.3030

# Conversions

## Conversions Part 2

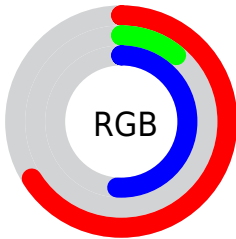
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	169, 28, 129
Decimal	11082881
CIE <sub>Lab</sub>	39.33, 62.54, -21.56
CIE <sub>LCh</sub>	39, 66.148, 340.981
Yxy	10.8505, 0.3887, 0.2033
Android (android.graphics.Color)	4289272961 (0xFFA91C81)
YUV	81.6730, 23.3322, 76.5858
Hunter-Lab	32.9401, 54.7428, -16.1267

# Details

The YUV color **81.6730, 23.3322, 76.5858** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **115.3270, -23.3322, -76.5858**, and the grayscale version is **81.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **142.3370, 19.5539, 75.1265**, and **42.4940, 17.9975, 60.9568** is the 20% darker color. If you saturate the color by 10%, you get **71.1240, 26.0679, 85.8373**, and if you desaturate by 10%, it is **92.2220, 20.5966, 67.3343**.

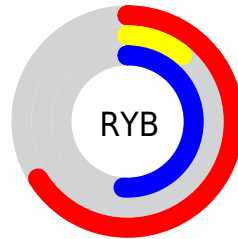
# Distribution



Red (66%)

Green (11%)

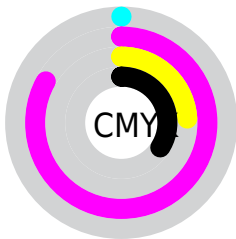
Blue (51%)



Red (66%)

Yellow (11%)

Blue (51%)

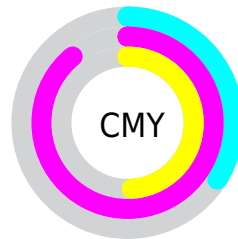


Cyan (0%)

Magenta (83%)

Yellow (24%)

Black (34%)



Cyan (34%)

Magenta (89%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 81.6730, 23.3322, 76.5858 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 81.6730, 23.3322, 76.5858 by changing the saturation by 10% instead.





 81.6730, 23.3322,  
76.5858


 81.6730, 23.3322,  
76.5858


255.0000, 0.0000,  
0.0000


 53.7160, 24.7900,  
75.6711

 142.3370, 19.5539,  
75.1265


 42.4940, 17.9975,  
60.9568


 170.6250, 19.4119,  
73.9969


 31.7990, 11.9311,  
46.6573

 190.2530, 23.5393,  
56.7831

 21.9300, 6.4435,  
33.3874

 208.6270, 22.8619,  
40.6691

 9.5830, -0.7804,  
17.0287

 225.6500, 14.4696,  
25.7400

 0.0000, 0.0000,  
0.0000

 243.2600, 5.7878,

10.2960

■ 81.6730, 23.3322,  
76.5858

■ 81.6730, 23.3322,  
76.5858

■ 71.1240, 26.0679,  
85.8373

■ 92.2220, 20.5966,  
67.3343

■ 64.3250, 27.9408,  
91.8000

■ 102.7710, 17.8609,  
58.0828

■ 113.2060, 14.6884,  
48.9313

■ 123.7550, 11.9528,  
39.6799

■ 133.7170, 9.5065,  
30.9432

■ 144.2660, 6.7709,  
21.6917

■ 154.8150, 4.0352,  
12.4402

■ 165.2500, 0.8628,  
3.2887

■ 175.7990, -1.8729,  
-5.9627

# Harmonies

## Analogous

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



94.2620, 39.8038, 19.9412



81.6730, 23.3322, 76.5858



65.7400, 5.0582, 104.5910

# Triad

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



81.6730, 23.3322, 76.5858



85.6430, -42.2220, 9.0831



85.5000, 38.2075, -74.9835

# Complementary

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



81.6730, 23.3322, 76.5858



115.3270, -23.3322, -76.5858

# 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.



80.2730, 15.6414, -70.3994



81.6730, 23.3322, 76.5858



70.8710, -34.9394, -40.2289

# Square

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



81.6730, 23.3322, 76.5858



87.3580, -43.0675, 47.0440



72.6010, -8.6773, -63.6711



85.7400, 54.3582, -75.1940



# Rectangle

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



81.6730, 23.3322, 76.5858



77.5660, -18.0270, 88.9576



72.6010, -8.6773, -63.6711



84.2630, 30.9293, -73.8987

# Sweetspot

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



81.6730, 23.3322, 76.5858



185.0050, 9.3645, 29.8136



56.0340, 55.6922, 10.4942



89.4890, 5.1819, 17.9881



237.0000, 0.0000, 0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6730, 23.3322, 76.5858



83.3790, 36.2952, 118.9396



73.6930, -7.2436, 83.5842



79.0760, 1.4415, 4.3183



56.3360, 24.4844, 80.3893



7.6900, 3.6038, 10.7959



# Inverse Universe

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



81.6730, 23.3322, 76.5858



83.3790, 36.2952, 118.9396



123.3070, 7.2436, -83.5842



79.0760, 1.4415, 4.3183



56.3360, 24.4844, 80.3893



7.6900, 3.6038, 10.7959



# Previews

## White Background



This preview shows how the YUV color 81.6730, 23.3322, 76.5858 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

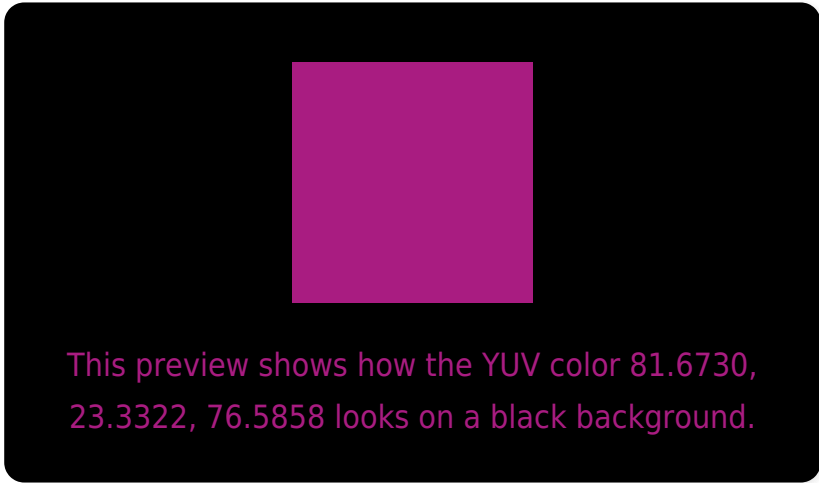
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

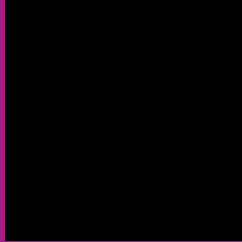
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 81.6730, 23.3322, 76.5858

## Background



This preview shows how black text looks on a background with the YUV color 81.6730, 23.3322, 76.5858.



This preview shows how white text looks on a background with the YUV color 81.6730, 23.3322,



# 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

81.6730, 23.3322, 76.5858

### Protanopia

87.9470, 43.9031, -35.0335

### Deuteranopia

94.4090, 13.1094, -4.7437



## Tritanopia

88.3350, -14.4622, 65.4812

# Trichromacy



## Original Color

81.6730, 23.3322, 76.5858

## Protanomaly

85.6640, 36.6476, 5.5567

## Deuteranomaly

89.9210, 16.8009, 24.6253

## Tritanomaly

85.9130, -0.9431, 69.3593

# Monochromacy



## Original Color

81.6730, 23.3322, 76.5858

## Achromatopsia

82.0000, 0.0000, 0.0000

## Achromatomaly

81.7660, 8.4964, 28.2692

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 81.6730, 23.3322, 76.5858 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(169, 28, 129)` looks like.

```
.text, #text, p{  
    color:rgb(169, 28, 129)  
}
```

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(169, 28, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 28, 129) }
```

## Border

The CSS property to change the border of an element to YUV 81.6730, 23.3322, 76.5858 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(169, 28, 129) }
```



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

```
.border{ border-color:rgb(169, 28, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 28, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 28, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 28, 129);  
box-shadow:4px 4px 4px 4px rgb(169, 28,  
129) }
```

# Background

The CSS property to change the background color of an element to YUV 81.6730, 23.3322, 76.5858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 28, 129) }
```

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

```
.background{ background-color: rgb(169, 28,  
129) }
```

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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