

# Converting Colors

YUV(74.8610, 51.8335, 81.6829)

Have a look what the booklet for  
YUV(74.8610, 51.8335, 81.6829)  
contains.

<b>YUV(74.8610, 51.8335, 81.6829)</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(74.8610, 51.8335,  
81.6829)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A807B4
RGB	168, 7, 180
RGB Percent	66%, 3%, 71%
CMY	0.3412, 0.9725, 0.2941
CMYK	0.07, 0.96, 0.00, 0.29
HSL	296°, 93%, 37%
HSV	296°, 96%, 71%
XYZ	24.4626, 11.7721, 44.1629
YIQ	74.8610, 40.4230, 87.9350

# Conversions

## Conversions Part 2

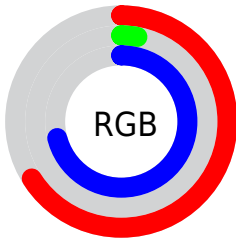
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	168, 7, 180
Decimal	11012020
CIE <sub>Lab</sub>	40.85, 73.00, -50.03
CIE <sub>LCh</sub>	41, 88.494, 325.577
Yxy	11.7721, 0.3043, 0.1464
Android (android.graphics.Color)	4289202100 (0xFFA807B4)
YUV	74.8610, 51.8335, 81.6829
Hunter-Lab	34.3105, 67.2235, -52.2982

# Details

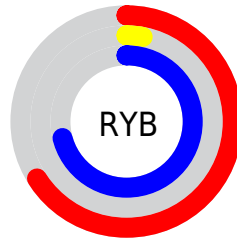
The YUV color **74.8610, 51.8335, 81.6829** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **112.1390, -51.8335, -81.6829**, and the grayscale version is **74.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **145.3730, 45.1721, 71.5869**, and **47.5530, 38.6744, 55.6430** is the 20% darker color. If you saturate the color by 10%, you get **70.7520, 53.8593, 85.2865**, and if you desaturate by 10%, it is **85.7260, 46.4771, 73.0313**.

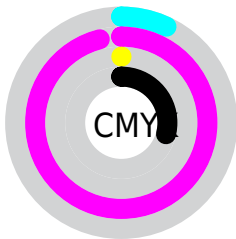
# Distribution



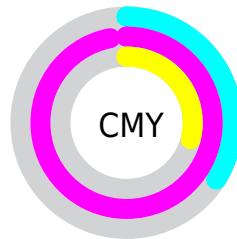
- Red (66%)
- Green (3%)
- Blue (71%)



- Red (66%)
- Yellow (3%)
- Blue (71%)



- Cyan (7%)
- Magenta (96%)
- Yellow (0%)
- Black (29%)




- Cyan (34%)
- Magenta (97%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 74.8610, 51.8335, 81.6829 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 74.8610, 51.8335, 81.6829 by changing the saturation by 10% instead.





 74.8610, 51.8335,  
81.6829


 74.8610, 51.8335,  
81.6829


255.0000, 0.0000,  
0.0000


 59.0030, 46.3405,  
70.1574


 145.3730, 45.1721,  
71.5869


 47.5530, 38.6744,  
55.6430


 172.8200, 40.5147,  
72.0719


 36.3310, 31.8818,  
40.9287


 189.8430, 32.1224,  
57.1427

 25.7070, 24.7944,  
27.4440

 206.8660, 23.7301,  
42.2135

 13.7020, 18.8809,  
10.7853

 224.4760, 15.0483,  
26.7695

 4.5940, 12.5252,  
-4.0289

 241.4990, 6.6560,

 0.0000, 0.0000,

11.8404

0.0000

■ 74.8610, 51.8335,  
81.6829

■ 74.8610, 51.8335,  
81.6829

■ 70.7520, 53.8593,  
85.2865

■ 85.7260, 46.4771,  
73.0313

■ 96.5910, 41.1206,  
64.3797

■ 107.7550, 35.6168,  
56.3429

■ 118.6200, 30.2603,  
47.6913

■ 129.4850, 24.9039,  
39.0397

■ 140.3500, 19.5475,  
30.3881

■ 151.5140, 14.0436,  
22.3512

■ 162.3790, 8.6872,  
13.6996

■ 173.2440, 3.3307,  
5.0480

# Harmonies

## Analogous

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



74.3540, 76.7335, -65.2085



74.8610, 51.8335, 81.6829



75.7430, 17.3817, 118.6204

# Triad

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



74.8610, 51.8335, 81.6829



90.8030, -44.7659, 31.7448



90.8000, 33.1296, -79.6316

# Complementary

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



74.8610, 51.8335, 81.6829



112.1390, -51.8335, -81.6829

# 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.



81.6630, 0.6591, -71.6185



74.8610, 51.8335, 81.6829



80.7160, -39.7930, -23.4299

# Square

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



74.8610, 51.8335, 81.6829



82.8710, -40.8554, 84.3051



69.8530, -34.4375, -61.2611



96.4660, 59.9163, -84.6007



# Rectangle

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



74.8610, 51.8335, 81.6829



71.4670, -4.1742, 125.8784



69.8530, -34.4375, -61.2611



88.0640, 22.6464, -77.2321

# Sweetspot

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



74.8610, 51.8335, 81.6829



193.5890, 20.4156, 31.9324



34.9400, 71.5146, -24.5034



92.0360, 12.3073, 19.2624



245.0000, 0.0000, 0.0000



117.0000, 0.0000, 0.0000



# Same Dimension

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



74.8610, 51.8335, 81.6829



91.9720, 70.5128, 110.5266



70.2410, 18.6152, 96.2586



83.7170, 2.6045, 4.6332



59.9000, 45.8983, 72.0017



10.1400, 7.8190, 12.1552



# Inverse Universe

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



60.0950, -20.2598, 105.1567



72.0890, -27.6519, 142.8729



116.7590, -18.6152, -96.2586



82.8050, -0.8899, 5.4330



47.0010, -17.7485, 92.9611



8.0020, -2.9590, 15.7842



# Previews

## White Background



This preview shows how the YUV color 74.8610, 51.8335, 81.6829 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

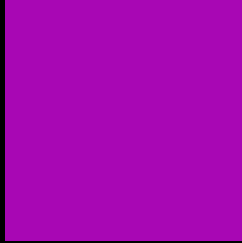
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 74.8610, 51.8335, 81.6829 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

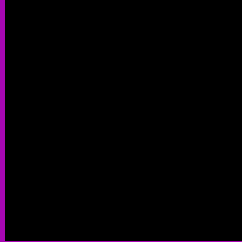
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 74.8610, 51.8335, 81.6829

## Background



This preview shows how black text looks on a background with the YUV color 74.8610, 51.8335, 81.6829.



This preview shows how white text looks on a background with the YUV color 74.8610, 51.8335,



# 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

74.8610, 51.8335, 81.6829

### Protanopia

78.5650, 59.8675, -68.9015

### Deuteranopia

90.2360, 38.8307, -41.4260



## Tritanopia

96.9850, -10.3456, 51.7562

# Trichromacy



## Original Color

74.8610, 51.8335, 81.6829



## Protanomaly

77.2220, 57.0786, -14.2267



## Deuteranomaly

84.7760, 43.4944, 2.8274



## Tritanomaly

89.0120, 12.3191, 62.2565

# Monochromacy



## Original Color

74.8610, 51.8335, 81.6829



## Achromatopsia

75.0000, 0.0000, 0.0000



## Achromatomaly

74.8230, 18.8213, 29.9732

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 74.8610, 51.8335, 81.6829 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(168, 7, 180)` looks like.

```
.text, #text, p{  
    color:rgb(168, 7, 180)  
}
```

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(168, 7, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 7, 180) }
```

## Border

The CSS property to change the border of an element to YUV 74.8610, 51.8335, 81.6829 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(168, 7, 180) }
```



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

```
.border{ border-color:rgb(168, 7, 180) }
```

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

Here you see how a box with a 4 pixel rgb(168, 7, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 7, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 7, 180);  
box-shadow:4px 4px 4px 4px rgb(168, 7,  
180) }
```

# Background

The CSS property to change the background color of an element to YUV 74.8610, 51.8335, 81.6829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 7, 180) }
```

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

```
.background{ background-color: rgb(168, 7,  
180) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

**@ConvertingColor**