

# Converting Colors

YUV(89.6730, 43.5452, 80.0938)

Have a look what the booklet for  
YUV(89.6730, 43.5452, 80.0938)  
contains.

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# Color

**YUV(89.6730, 43.5452,  
80.0938)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B51AB2
RGB	181, 26, 178
RGB Percent	71%, 10%, 70%
CMY	0.2902, 0.8980, 0.3020
CMYK	0.00, 0.86, 0.02, 0.29
HSL	301°, 75%, 41%
HSV	301°, 86%, 71%
XYZ	27.4613, 13.7769, 43.3313
YIQ	89.6730, 43.5880, 80.1320

# Conversions

## Conversions Part 2

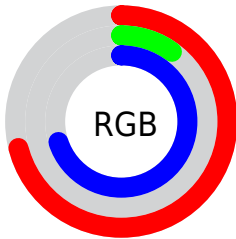
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 26, 178
Decimal	11868850
CIE <sub>Lab</sub>	43.91, 72.31, -43.82
CIE <sub>LCh</sub>	44, 84.546, 328.786
Yxy	13.7769, 0.3247, 0.1629
Android (android.graphics.Color)	4290058930 (0xFFB51AB2)
YUV	89.6730, 43.5452, 80.0938
Hunter-Lab	37.1172, 67.1087, -43.2341

# Details

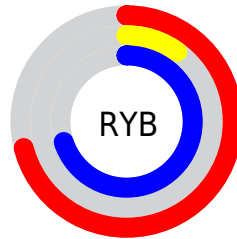
The YUV color **89.6730, 43.5452, 80.0938** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **117.3270, -43.5452, -80.0938**, and the grayscale version is **89.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **154.2010, 39.3409, 75.2457**, and **51.3260, 36.3213, 63.7351** is the 20% darker color. If you saturate the color by 10%, you get **79.1070, 48.7542, 89.3602**, and if you desaturate by 10%, it is **100.2390, 38.3362, 70.8274**.

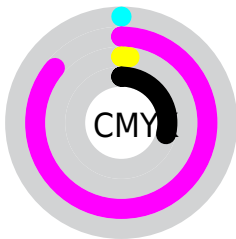
# Distribution



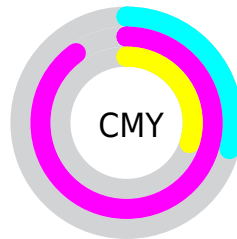
- Red (71%)
- Green (10%)
- Blue (70%)



- Red (71%)
- Yellow (10%)
- Blue (70%)



- Cyan (0%)
- Magenta (86%)
- Yellow (2%)
- Black (29%)




- Cyan (29%)
- Magenta (90%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 89.6730, 43.5452, 80.0938 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 89.6730, 43.5452, 80.0938 by changing the saturation by 10% instead.





 89.6730, 43.5452,  
80.0938


 89.6730, 43.5452,  
80.0938


255.0000, 0.0000,  
0.0000


 62.6620, 43.5506,  
78.3494


 154.2010, 39.3409,  
75.2457


 51.3260, 36.3213,  
63.7351


 178.1030, 37.9102,  
67.4387


 39.6910, 29.2393,  
48.5060


 195.1260, 29.5179,  
52.5095

 28.8820, 22.7362,  
34.3065

 212.1490, 21.1255,  
37.5803

 18.0730, 16.2330,  
20.1070

 229.1720, 12.7332,  
22.6512

 3.3060, 12.6671,  
-2.8994

 246.7820, 4.0515,

 0.0000, 0.0000,

7.2072

0.0000

■ 89.6730, 43.5452,  
80.0938

■ 89.6730, 43.5452,  
80.0938

■ 79.1070, 48.7542,  
89.3602

■ 100.2390, 38.3362,  
70.8274

■ 74.2970, 50.6326,  
93.5785

■ 110.9190, 33.5639,  
61.4610

■ 121.4850, 28.3549,  
52.1947

■ 132.0510, 23.1459,  
42.9283

■ 143.3180, 18.0842,  
33.0471

■ 153.8840, 12.8752,  
23.7807

■ 164.4500, 7.6661,  
14.5143

■ 175.1300, 2.8939,  
5.1480

■ 185.6960, -2.3151,  
-4.1184

# Harmonies

## Analogous

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



98.7140, 64.2310, -21.6742



89.6730, 43.5452, 80.0938



77.7220, 15.9131, 123.0238

# Triad

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



89.6730, 43.5452, 80.0938



98.1570, -48.3914, 27.9263



96.8640, 36.0560, -84.9497

# Complementary

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



89.6730, 43.5452, 80.0938



117.3270, -43.5452, -80.0938

# 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.



88.1830, 5.3328, -77.3365



89.6730, 43.5452, 80.0938



86.3090, -42.5503, -25.7040

# Square

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



89.6730, 43.5452, 80.0938



93.7470, -46.2173, 77.3979



76.2590, -30.2007, -66.8791



100.7860, 61.2375, -88.3893



# Rectangle

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



89.6730, 43.5452, 80.0938



73.0760, -4.4745, 128.8523



76.2590, -30.2007, -66.8791



94.3560, 26.4465, -82.7502

# Sweetspot

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



89.6730, 43.5452, 80.0938



198.9650, 16.7793, 31.6027



44.5670, 67.2615, -13.6523



95.8680, 10.4181, 18.5328



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.



89.6730, 43.5452, 80.0938



96.4850, 65.8229, 121.4777



80.8950, 9.9118, 87.7921



83.7170, 2.6045, 4.6332



62.8470, 42.9664, 79.0642



10.6240, 7.0874, 13.4848



# Inverse Universe

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



89.6730, 43.5452, 80.0938



96.4850, 65.8229, 121.4777



126.1050, -9.9118, -87.7921



83.7170, 2.6045, 4.6332



62.8470, 42.9664, 79.0642



10.6240, 7.0874, 13.4848



# Previews

## White Background



This preview shows how the YUV color 89.6730, 43.5452, 80.0938 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 89.6730, 43.5452, 80.0938 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

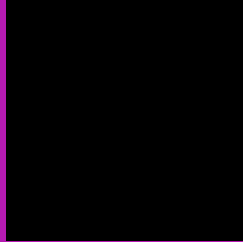
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 89.6730, 43.5452, 80.0938

## Background



This preview shows how black text looks on a background with the YUV color 89.6730, 43.5452, 80.0938.



This preview shows how white text looks on a background with the YUV color 89.6730, 43.5452,



# 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

89.6730, 43.5452, 80.0938

### Protanopia

83.7970, 64.6831, -73.4900

### Deuteranopia

101.4180, 32.8249, -28.4306



## Tritanopia

102.5730, -12.1145, 59.1335

# Trichromacy



## Original Color

89.6730, 43.5452, 80.0938



## Protanomaly

86.2000, 57.0894, -17.7154



## Deuteranomaly

97.1100, 36.9208, 11.3045



## Tritanomaly

97.8940, 7.9403, 66.7450

# Monochromacy



## Original Color

89.6730, 43.5452, 80.0938



## Achromatopsia

90.0000, 0.0000, 0.0000



## Achromatomaly

90.0140, 15.7691, 28.9287

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 89.6730, 43.5452, 80.0938 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(181, 26, 178)` looks like.

```
.text, #text, p{  
    color:rgb(181, 26, 178)  
}
```

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(181, 26, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 26, 178) }
```

## Border

The CSS property to change the border of an element to YUV 89.6730, 43.5452, 80.0938 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(181, 26, 178) }
```



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

```
.border{ border-color:rgb(181, 26, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 26, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 26, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 26, 178);  
box-shadow:4px 4px 4px 4px rgb(181, 26,  
178) }
```

# Background

The CSS property to change the background color of an element to YUV 89.6730, 43.5452, 80.0938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 26, 178) }
```

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

```
.background{ background-color: rgb(181, 26,  
178) }
```

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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