

# Converting Colors

YUV(77.6880, 50.9328, 90.6046)

Have a look what the booklet for  
YUV(77.6880, 50.9328, 90.6046)  
contains.

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# Color

**YUV(77.6880, 50.9328,  
90.6046)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B505B5
RGB	181, 5, 181
RGB Percent	71%, 2%, 71%
CMY	0.2902, 0.9804, 0.2902
CMYK	0.00, 0.97, 0.00, 0.29
HSL	300°, 95%, 36%
HSV	300°, 97%, 71%
XYZ	27.4508, 13.2685, 44.8303
YIQ	77.6880, 48.4000, 92.0480

# Conversions

## Conversions Part 2

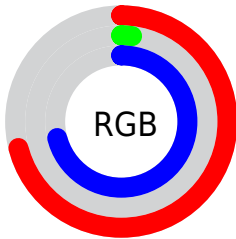
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 5, 181
Decimal	11863477
CIELab	43.17, 75.48, -46.78
CIElCh	43, 88.802, 328.212
Yxy	13.2685, 0.3209, 0.1551
Android (android.graphics.Color)	4290053557 (0xFFB505B5)
YUV	77.6880, 50.9328, 90.6046
Hunter-Lab	36.4259, 70.7733, -47.4715

# Details

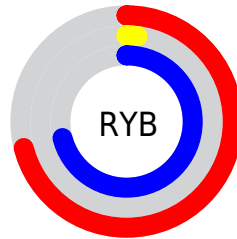
The YUV color **77.6880, 50.9328, 90.6046** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **108.3120, -50.9328, -90.6046**, and the grayscale version is **77.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **150.8470, 42.9664, 79.0642**, and **51.2550, 37.3423, 62.9204** is the 20% darker color. If you saturate the color by 10%, you get **74.7530, 52.3798, 93.1786**, and if you desaturate by 10%, it is **88.2540, 45.7238, 81.3382**.

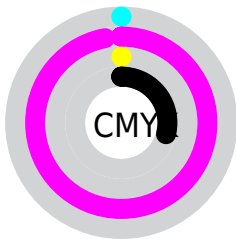
# Distribution



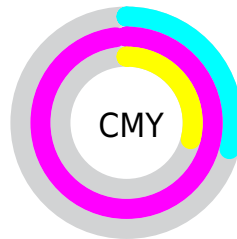
- Red (71%)
- Green (2%)
- Blue (71%)



- Red (71%)
- Yellow (2%)
- Blue (71%)



- Cyan (0%)
- Magenta (97%)
- Yellow (0%)
- Black (29%)



- Cyan (29%)
- Magenta (98%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 77.6880, 50.9328, 90.6046 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 77.6880, 50.9328, 90.6046 by changing the saturation by 10% instead.



■ 77.6880, 50.9328,  
90.6046

■ 77.6880, 50.9328,  
90.6046

■ 255.0000, 0.0000,  
0.0000

■ 63.0040, 44.8610,  
78.0495

■ 150.8470, 42.9664,  
79.0642

■ 51.2550, 37.3423,  
62.9204

■ 174.5810, 39.6466,  
70.5275

■ 40.0330, 30.5497,  
48.2061

■ 191.6040, 31.2542,  
55.5983

■ 29.1100, 23.6098,  
34.1065

■ 209.2140, 22.5725,  
40.1543

■ 18.0020, 17.2540,  
19.2922

■ 226.2370, 14.1802,  
25.2252

■ 3.5340, 13.5407,  
-3.0993

■ 243.8470, 5.4984,

■ 0.1140, 0.4368,

9.7812

-0.1000

■ 0.0000, 0.0000,  
0.0000

■ 77.6880, 50.9328,  
90.6046

■ 77.6880, 50.9328,  
90.6046

■ 74.7530, 52.3798,  
93.1786

■ 88.2540, 45.7238,  
81.3382

■ 98.8200, 40.5147,  
72.0719

■ 109.3860, 35.3057,  
62.8055

■ 119.9520, 30.0967,  
53.5391

■ 131.1050, 24.5982,  
43.7579

■ 141.6710, 19.3892,  
34.4915

■ 152.2370, 14.1802,  
25.2252

■ 162.8030, 8.9711,  
15.9588

■ 173.3690, 3.7621,  
6.6924

# Harmonies

## Analogous

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



93.6250, 69.2049, -30.3661



77.6880, 50.9328, 90.6046



78.3200, 15.6182, 124.2534

# Triad

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



77.6880, 50.9328, 90.6046



96.0970, -47.3758, 28.8559



95.8040, 37.0716, -84.0201

# Complementary

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



77.6880, 50.9328, 90.6046



108.3120, -50.9328, -90.6046

# 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.



86.5530, 4.1644, -75.9070



77.6880, 50.9328, 90.6046



84.2270, -41.5239, -28.2631

# Square

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



77.6880, 50.9328, 90.6046



90.5240, -44.6283, 81.1015



73.9620, -36.4633, -64.8647



100.6550, 63.2741, -88.2744



# Rectangle

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



77.6880, 50.9328, 90.6046



73.4460, -5.6429, 130.2819



73.9620, -36.4633, -64.8647



92.9540, 26.1517, -81.5207

# Sweetspot

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



77.6880, 50.9328, 90.6046



195.0840, 19.6786, 35.0063



25.0640, 76.8764, -17.5961



92.9330, 11.8650, 21.1068



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.



77.6880, 50.9328, 90.6046



97.0550, 68.0069, 120.9778



67.6560, 12.4946, 99.4027



83.7170, 2.6045, 4.6332



63.1890, 44.2768, 78.7642



10.7380, 7.5242, 13.3848



# Inverse Universe

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



77.6880, 50.9328, 90.6046



97.0550, 68.0069, 120.9778



118.3440, -12.4946, -99.4027



83.7170, 2.6045, 4.6332



63.1890, 44.2768, 78.7642



10.7380, 7.5242, 13.3848



# Previews

## White Background



This preview shows how the YUV color 77.6880, 50.9328, 90.6046 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

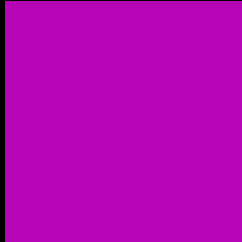
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 77.6880, 50.9328, 90.6046 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

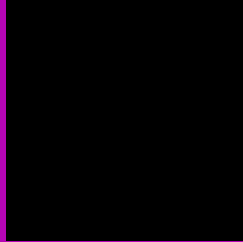
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 77.6880, 50.9328, 90.6046

## Background



This preview shows how black text looks on a background with the YUV color 77.6880, 50.9328, 90.6046.



This preview shows how white text looks on a background with the YUV color 77.6880, 50.9328,



# 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

77.6880, 50.9328, 90.6046

### Protanopia

82.8680, 63.6621, -72.6752

### Deuteranopia

98.9660, 35.0198, -32.4192



## Tritanopia

101.1710, -12.4093, 60.3630

# Trichromacy



## Original Color

77.6880, 50.9328, 90.6046



## Protanomaly

80.8030, 59.2571, -12.9822



## Deuteranomaly

91.1470, 40.8465, 12.1491



## Tritanomaly

92.6110, 10.5448, 71.3782

# Monochromacy



## Original Color

77.6880, 50.9328, 90.6046



## Achromatopsia

78.0000, 0.0000, 0.0000



## Achromatomaly

77.4320, 18.5210, 32.9471

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 77.6880, 50.9328, 90.6046 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, 5, 181)` looks like.

```
.text, #text, p{  
    color:rgb(181, 5, 181)  
}
```

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, 5, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 5, 181) }
```

## Border

The CSS property to change the border of an element to YUV 77.6880, 50.9328, 90.6046 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, 5, 181) }
```



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

```
.border{ border-color:rgb(181, 5, 181) }
```

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

Here you see how a box with a 4 pixel rgb(181, 5, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 5, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 5, 181);  
box-shadow:4px 4px 4px 4px rgb(181, 5,  
181) }
```

# Background

The CSS property to change the background color of an element to YUV 77.6880, 50.9328, 90.6046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 5, 181) }
```

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

```
.background{ background-color: rgb(181, 5,  
181) }
```

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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