

# Converting Colors

YUV(73.9980, 50.7800, 92.9638)

Have a look what the booklet for  
YUV(73.9980, 50.7800, 92.9638)  
contains.

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# Color

**YUV(73.9980, 50.7800,  
92.9638)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B400B1
RGB	180, 0, 177
RGB Percent	71%, 0%, 69%
CMY	0.2941, 1.0000, 0.3059
CMYK	0.00, 1.00, 0.02, 0.29
HSL	301°, 100%, 35%
HSV	301°, 100%, 71%
XYZ	26.7582, 12.8776, 42.6703
YIQ	73.9980, 50.4630, 93.2070

# Conversions

## Conversions Part 2

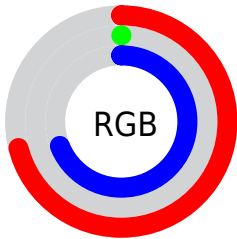
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 0, 177
Decimal	11796657
CIELab	42.58, 75.21, -45.36
CIELCh	43, 87.828, 328.903
Yxy	12.8776, 0.3251, 0.1565
Android (android.graphics.Color)	4289986737 (0xFFB400B1)
YUV	73.9980, 50.7800, 92.9638
Hunter-Lab	35.8854, 70.3003, -45.3802

# Details

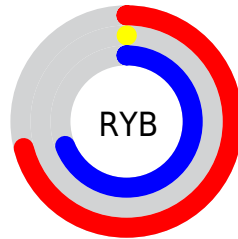
The YUV color **73.9980, 50.7800, 92.9638** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **106.0020, -50.7800, -92.9638**, and the grayscale version is **73.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **148.8040, 41.5086, 79.9789**, and **50.6140, 36.1793, 62.6055** is the 20% darker color. If you saturate the color by 10%, you get **73.9980, 50.7800, 92.9638**, and if you desaturate by 10%, it is **84.5640, 45.5709, 83.6974**.

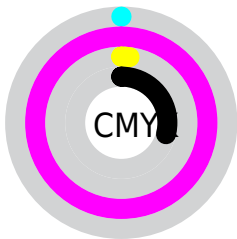
# Distribution



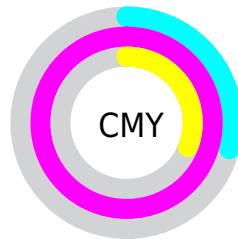
- Red (71%)
- Green (0%)
- Blue (69%)



- Red (71%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (29%)




- Cyan (29%)
- Magenta (100%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 73.9980, 50.7800, 92.9638 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 73.9980, 50.7800, 92.9638 by changing the saturation by 10% instead.





 73.9980, 50.7800,  
92.9638


 73.9980, 50.7800,  
92.9638


255.0000, 0.0000,  
0.0000


 62.2490, 43.2612,  
77.8346


 148.8040, 41.5086,  
79.9789


 50.6140, 36.1793,  
62.6055


 173.4070, 40.2253,  
71.5571


 39.2780, 28.9499,  
47.9912


 191.0170, 31.5436,  
56.1131

 28.4690, 22.4468,  
33.7917

 208.0400, 23.1513,  
41.1839

 17.3610, 16.0910,  
18.9774

 225.0630, 14.7589,  
26.2547

 3.7790, 11.9410,  
-3.3142

 242.6730, 6.0772,

 0.0000, 0.0000,

10.8108

0.0000

■ 73.9980, 50.7800,  
92.9638

■ 84.5640, 45.5709,  
83.6974

■ 95.2440, 40.7987,  
74.3310

■ 105.8100, 35.5897,  
65.0646

■ 116.3760, 30.3806,  
55.7982

■ 127.0560, 25.6084,  
46.4319

■ 137.6220, 20.3994,  
37.1655

■ 148.1880, 15.1903,  
27.8991

■ 158.7540, 9.9813,  
18.6327

■ 169.4340, 5.2090,  
9.2664

# Harmonies

## Analogous

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



93.7890, 67.1520, -25.2480



73.9980, 50.7800, 92.9638



77.3800, 14.6027, 123.3237

# Triad

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



73.9980, 50.7800, 92.9638



94.3140, -46.4968, 26.9116



95.1030, 36.9242, -83.4053

# Complementary

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



73.9980, 50.7800, 92.9638



106.0020, -50.7800, -92.9638

# 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.



86.0800, 4.8906, -75.4922



73.9980, 50.7800, 92.9638



82.7430, -40.7923, -29.5926

# Square

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



73.9980, 50.7800, 92.9638



89.3280, -44.0387, 78.6423



73.1300, -34.5741, -64.1350



99.8400, 62.6899, -87.5597



# Rectangle

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



73.9980, 50.7800, 92.9638



72.3210, -6.0743, 128.6375



73.1300, -34.5741, -64.1350



92.3670, 26.4411, -81.0059

# Sweetspot

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



73.9980, 50.7800, 92.9638



193.0950, 19.6732, 36.7507



21.4170, 78.1814, -16.1517



92.3460, 12.1544, 21.6216



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.



73.9980, 50.7800, 92.9638



96.5990, 66.2597, 121.3777



63.7380, 11.4682, 101.9618



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.



73.9980, 50.7800, 92.9638



96.5990, 66.2597, 121.3777



116.2620, -11.4682, -101.9618



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 73.9980, 50.7800, 92.9638 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

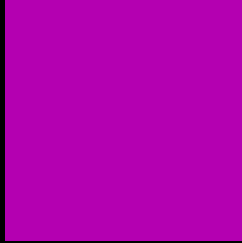
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 73.9980, 50.7800, 92.9638 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

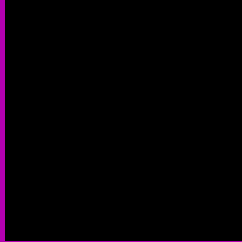
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 73.9980, 50.7800, 92.9638

## Background



This preview shows how black text looks on a background with the YUV color 73.9980, 50.7800, 92.9638.



This preview shows how white text looks on a background with the YUV color 73.9980, 50.7800,



# 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



### Protanopia

82.0530, 63.0779, -71.9605

### Deuteranopia

98.8200, 33.1197, -29.6601

### Tritanopia

100.0570, -12.8461, 60.4630

# Trichromacy



## Protanomaly

78.9880, 58.6729, -12.2675

## Deuteranomaly

90.1150, 39.3833, 14.8081

## Tritanomaly

90.7960, 9.9606, 72.0929

# Monochromacy



## Achromatopsia

74.0000, 0.0000, 0.0000

## Achromatomaly

74.0300, 18.2262, 34.1767

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 73.9980, 50.7800, 92.9638 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(180, 0, 177)` looks like.

```
.text, #text, p{  
    color:rgb(180, 0, 177)  
}
```

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(180, 0, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 0, 177) }
```

## Border

The CSS property to change the border of an element to YUV 73.9980, 50.7800, 92.9638 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(180, 0, 177) }
```

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

```
.border{ border-color:rgb(180, 0, 177) }
```

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

Here you see how a box with a 4 pixel rgb(180, 0, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 0, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 0, 177);  
box-shadow:4px 4px 4px 4px rgb(180, 0,  
177) }
```



# Background

The CSS property to change the background color of an element to YUV 73.9980, 50.7800, 92.9638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 0, 177) }
```

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

```
.background{ background-color: rgb(180, 0,  
177) }
```

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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