

# Converting Colors

YUV(78.5430, 64.3153, 91.6088)

Have a look what the booklet for  
YUV(78.5430, 64.3153, 91.6088)  
contains.

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# Color

**YUV(78.5430, 64.3153,  
91.6088)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B700D1
RGB	183, 0, 209
RGB Percent	72%, 0%, 82%
CMY	0.2824, 1.0000, 0.1804
CMYK	0.12, 1.00, 0.00, 0.18
HSL	293°, 100%, 41%
HSV	293°, 100%, 82%
XYZ	31.0371, 14.6707, 61.5175
YIQ	78.5430, 41.9790, 103.7950

# Conversions

## Conversions Part 2

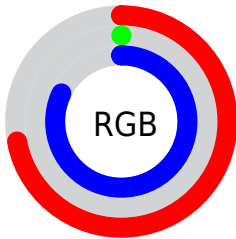
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	183, 0, 209
Decimal	11993297
CIE <sub>Lab</sub>	45.18, 80.60, -59.86
CIE <sub>LCh</sub>	45, 100.399, 323.402
Yxy	14.6707, 0.2895, 0.1368
Android (android.graphics.Color)	4290183377 (0xFFB700D1)
YUV	78.5430, 64.3153, 91.6088
Hunter-Lab	38.3024, 77.6123, -68.4140

# Details

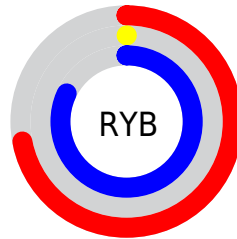
The YUV color **78.5430, 64.3153, 91.6088** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed purple. A complement of this color would be **130.4570, -64.3153, -91.6088**, and the grayscale version is **78.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **153.9700, 49.8078, 78.0793**, and **54.5180, 48.5516, 60.9357** is the 20% darker color. If you saturate the color by 10%, you get **78.5430, 64.3153, 91.6088**, and if you desaturate by 10%, it is **91.7670, 57.7959, 82.6423**.

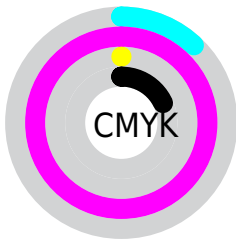
# Distribution



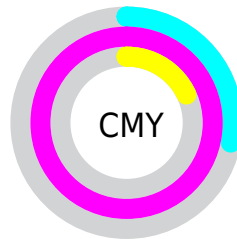
- Red (72%)
- Green (0%)
- Blue (82%)



- Red (72%)
- Yellow (0%)
- Blue (82%)



- Cyan (12%)
- Magenta (100%)
- Yellow (0%)
- Black (18%)




- Cyan (28%)
- Magenta (100%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 78.5430, 64.3153, 91.6088 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 78.5430, 64.3153, 91.6088 by changing the saturation by 10% instead.





 78.5430, 64.3153,  
91.6088


 78.5430, 64.3153,  
91.6088


255.0000, 0.0000,  
0.0000


 66.6800, 56.3598,  
76.5796


 153.9700, 49.8078,  
78.0793


 54.5180, 48.5516,  
60.9357


 175.1680, 39.3572,  
70.0127


 42.8830, 41.4697,  
45.7066


 192.7780, 30.6754,  
54.5687

 31.5470, 34.2403,  
31.0923

 210.3880, 21.9937,  
39.1247

 20.0260, 27.5952,  
15.7632

 227.4110, 13.6014,  
24.1956

 5.9280, 22.7135,  
-5.1989

 245.0210, 4.9196,

 4.5940, 12.5252,

8.7516

-4.0289

■ 0.0000, 0.0000,  
0.0000

■ 78.5430, 64.3153,  
91.6088

■ 91.7670, 57.7959,  
82.6423

■ 104.6920, 51.4238,  
73.0611

■ 117.9160, 44.9044,  
64.0947

■ 130.8410, 38.5324,  
54.5134

■ 144.0650, 32.0130,  
45.5470

■ 156.7020, 25.7829,  
37.0953

■ 169.6270, 19.4109,  
27.5141

■ 182.8510, 12.8915,  
18.5477

■ 195.7760, 6.5194,  
8.9664

# Harmonies

## Analogous

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



84.2480, 84.1807, -73.8855



78.5430, 64.3153, 91.6088



85.5690, 21.4115, 132.8050

# Triad

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



78.5430, 64.3153, 91.6088



101.1800, -49.8817, 39.3071



100.6140, 35.1933, -88.2385

# Complementary

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



78.5430, 64.3153, 91.6088



130.4570, -64.3153, -91.6088

# 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.



89.5220, -2.2293, -78.5108



78.5430, 64.3153, 91.6088



90.1630, -44.4504, -22.9450

# Square

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



78.5430, 64.3153, 91.6088



87.1230, -42.9516, 103.3781



77.4840, -38.1996, -67.9535



108.2350, 66.9321, -94.9221



# Rectangle

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



78.5430, 64.3153, 91.6088



81.2070, -3.0601, 141.8925



77.4840, -38.1996, -67.9535



97.4220, 22.9630, -85.4391

# Sweetspot

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



78.5430, 64.3153, 91.6088



207.3980, 23.4678, 32.9770



40.2620, 83.1878, -35.3098



99.2040, 14.1964, 19.9921



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



78.5430, 64.3153, 91.6088



95.7470, 78.5117, 111.6009



77.5390, 26.8493, 115.2913



97.9450, 3.4781, 4.4332



63.1050, 51.7132, 73.5759



15.4380, 12.6021, 18.0329



# Inverse Universe

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



65.4550, -19.4513, 125.8890



79.8930, -23.6112, 153.5688



131.4610, -26.8493, -115.2913



97.4030, -1.1847, 6.6626



52.6260, -15.5916, 101.1830



12.8290, -3.8597, 24.7060



# Previews

## White Background



This preview shows how the YUV color 78.5430, 64.3153, 91.6088 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

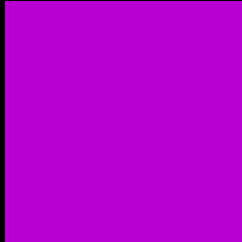
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 78.5430, 64.3153, 91.6088 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

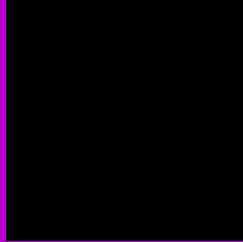
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 78.5430, 64.3153, 91.6088

## Background



This preview shows how black text looks on a background with the YUV color 78.5430, 64.3153, 91.6088.



This preview shows how white text looks on a background with the YUV color 78.5430, 64.3153,



# 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

86.9430, 66.5831, -76.2490

### Deuteranopia

87.9140, 53.7794, -76.2236

### Tritanopia

108.3980, -10.0562, 52.2710

# Trichromacy



## Protanomaly

84.1000, 65.5197, -14.9967

## Deuteranomaly

84.6240, 57.3734, -15.4562

## Tritanomaly

97.2990, 17.1076, 66.3898

# Monochromacy



## Achromatopsia

79.0000, 0.0000, 0.0000

## Achromatomaly

78.6970, 23.3204, 33.5917

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 78.5430, 64.3153, 91.6088 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(183, 0, 209)` looks like.

```
.text, #text, p{  
    color:rgb(183, 0, 209)  
}
```

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(183, 0, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 0, 209) }
```

## Border

The CSS property to change the border of an element to YUV 78.5430, 64.3153, 91.6088 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(183, 0, 209) }
```

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

```
.border{ border-color:rgb(183, 0, 209) }
```

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

Here you see how a box with a 4 pixel rgb(183, 0, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 0, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 0, 209);  
box-shadow:4px 4px 4px 4px rgb(183, 0,  
209) }
```



# Background

The CSS property to change the background color of an element to YUV 78.5430, 64.3153, 91.6088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 0, 209) }
```

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

```
.background{ background-color: rgb(183, 0,  
209) }
```

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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