

# Converting Colors

YUV(77.8460, 68.1099, 87.8351)

Have a look what the booklet for  
YUV(77.8460, 68.1099, 87.8351)  
contains.

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# Color

**YUV(77.8460, 68.1099,  
87.8351)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B200D8
RGB	178, 0, 216
RGB Percent	70%, 0%, 85%
CMY	0.3020, 1.0000, 0.1529
CMYK	0.18, 1.00, 0.00, 0.15
HSL	289°, 100%, 42%
HSV	289°, 100%, 85%
XYZ	30.7548, 14.4228, 66.1287
YIQ	77.8460, 36.7520, 104.9120

# Conversions

## Conversions Part 2

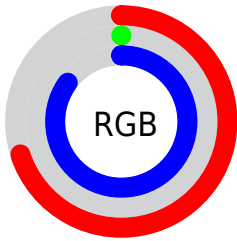
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 0, 216
Decimal	11665624
CIELab	44.83, 81.05, -64.49
CIELCh	45, 103.575, 321.493
Yxy	14.4228, 0.2763, 0.1296
Android (android.graphics.Color)	4289855704 (0xFFB200D8)
YUV	77.8460, 68.1099, 87.8351
Hunter-Lab	37.9774, 78.0919, -76.6553

# Details

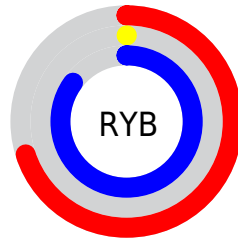
The YUV color **77.8460, 68.1099, 87.8351** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **138.1540, -68.1099, -87.8351**, and the grayscale version is **77.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **152.4750, 50.5448, 75.0054**, and **53.8210, 52.3462, 57.1620** is the 20% darker color. If you saturate the color by 10%, you get **77.8460, 68.1099, 87.8351**, and if you desaturate by 10%, it is **91.9560, 61.1537, 78.9686**.

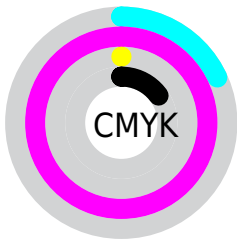
# Distribution



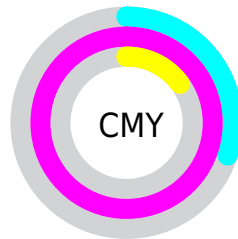
- Red (70%)
- Green (0%)
- Blue (85%)



- Red (70%)
- Yellow (0%)
- Blue (85%)



- Cyan (18%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)




- Cyan (30%)
- Magenta (100%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 77.8460, 68.1099, 87.8351 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 77.8460, 68.1099, 87.8351 by changing the saturation by 10% instead.




 77.8460, 68.1099,  
87.8351


 77.8460, 68.1099,  
87.8351


255.0000, 0.0000,  
0.0000


 65.6840, 60.3018,  
72.1911


 152.4750, 50.5448,  
75.0054


 53.8210, 52.3462,  
57.1620


 175.1680, 39.3572,  
70.0127


 42.0720, 44.8275,  
42.0329


 192.1910, 30.9648,  
55.0835

 30.4370, 37.7456,  
26.8038

 209.8010, 22.2831,  
39.6395

 18.0190, 31.5426,  
9.6303

 227.4110, 13.6014,  
24.1956

 6.4980, 24.8975,  
-5.6987

 245.0210, 4.9196,

 5.1640, 14.7091,

8.7516

-4.5288

■ 1.0260, 3.9312,  
-0.8998

■ 0.0000, 0.0000,  
0.0000

■ 77.8460, 68.1099,  
87.8351

■ 91.9560, 61.1537,  
78.9686

■ 105.4790, 54.4869,  
70.6169

■ 119.2900, 47.6780,  
61.1357

■ 132.8130, 41.0112,  
52.7840

■ 146.9230, 34.0550,  
43.9175

■ 161.0330, 27.0987,  
35.0511

■ 174.5560, 20.4319,  
26.6994

■ 188.3670, 13.6231,  
17.2181

■ 201.8900, 6.9562,  
8.8665

# Harmonies

## Analogous

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



85.4220, 83.6020, -74.9151



77.8460, 68.1099, 87.8351



86.5520, 23.8849, 132.8199

# Triad

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



77.8460, 68.1099, 87.8351



100.0280, -49.3138, 43.8254



100.1580, 33.4461, -87.8386

# Complementary

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



77.8460, 68.1099, 87.8351



138.1540, -68.1099, -87.8351

# 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.



88.7240, -5.2869, -77.8109



77.8460, 68.1099, 87.8351



90.4730, -44.6032, -20.5858

# Square

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



77.8460, 68.1099, 87.8351



80.6880, -39.7792, 112.5296



76.8970, -37.9102, -67.4387



108.1210, 66.4953, -94.8221



# Rectangle

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



77.8460, 68.1099, 87.8351



82.4460, -2.1919, 143.4369



76.8970, -37.9102, -67.4387



96.2650, 21.0684, -84.4244

# Sweetspot

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



77.8460, 68.1099, 87.8351



206.5010, 23.9100, 31.1326



48.1040, 82.7727, -42.1872



98.3070, 14.6386, 18.1478



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.



77.8460, 68.1099, 87.8351



91.8600, 80.4280, 103.6088



81.4560, 32.8062, 117.9951



99.9450, 3.4781, 4.4332



61.6530, 53.9081, 69.5873



15.6660, 13.4757, 17.8329



# Inverse Universe

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



68.9160, -15.2416, 128.9927



81.3750, -17.9329, 152.2691



134.5440, -32.8062, -117.9951



99.5170, -0.7479, 6.5626



54.5490, -12.1027, 102.1275



13.7690, -2.8441, 25.6356



# Previews

## White Background



This preview shows how the YUV color 77.8460, 68.1099, 87.8351 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

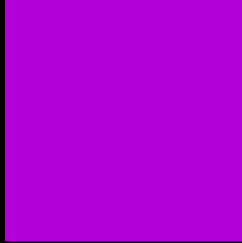
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 77.8460, 68.1099, 87.8351 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

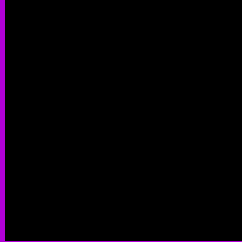
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 77.8460, 68.1099, 87.8351

## Background



This preview shows how black text looks on a background with the YUV color 77.8460, 68.1099, 87.8351.



This preview shows how white text looks on a background with the YUV color 77.8460, 68.1099,



# 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

86.1280, 65.9989, -75.5343

### Deuteranopia

86.5720, 52.4690, -75.9236

### Tritanopia

108.4080, -8.5821, 46.1232

# Trichromacy



## Protanomaly

83.1430, 66.9775, -15.9114

## Deuteranomaly

83.4390, 57.9576, -16.1710

## Tritanomaly

97.1350, 19.1604, 61.2716

# Monochromacy



## Achromatopsia

78.0000, 0.0000, 0.0000

## Achromatomaly

78.0280, 24.6362, 31.5474

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 77.8460, 68.1099, 87.8351 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(178, 0, 216)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 216)  
}
```

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(178, 0, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 216) }
```

## Border

The CSS property to change the border of an element to YUV 77.8460, 68.1099, 87.8351 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(178, 0, 216) }
```

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

```
.border{ border-color:rgb(178, 0, 216) }
```

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

Here you see how a box with a 4 pixel rgb(178, 0, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 216);  
box-shadow:4px 4px 4px 4px rgb(178, 0,  
216) }
```



# Background

The CSS property to change the background color of an element to YUV 77.8460, 68.1099, 87.8351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 0, 216) }
```

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

```
.background{ background-color: rgb(178, 0,  
216) }
```

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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