

# Converting Colors

YUV(77.1000, 39.3907,  
106.0293)

Have a look what the booklet for  
YUV(77.1000, 39.3907, 106.0293)  
contains.

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# Color

**YUV(77.1000, 39.3907,  
106.0293)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6009D
RGB	198, 0, 157
RGB Percent	78%, 0%, 62%
CMY	0.2235, 1.0000, 0.3843
CMYK	0.00, 1.00, 0.21, 0.22
HSL	312°, 100%, 39%
HSV	312°, 100%, 78%
XYZ	29.3745, 14.4401, 33.1373
YIQ	77.1000, 67.6110, 90.8030

# Conversions

## Conversions Part 2

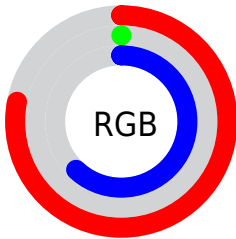
<b>Format</b>	<b>Color</b>
<b>RYB</b>	198, 0, 157
Decimal	12976285
CIELab	44.86, 75.73, -29.60
CIELCh	45, 81.313, 338.651
Yxy	14.4401, 0.3817, 0.1877
Android (android.graphics.Color)	4291166365 (0xFFC6009D)
YUV	77.1000, 39.3907, 106.0293
Hunter-Lab	38.0001, 71.4823, -25.1027

# Details

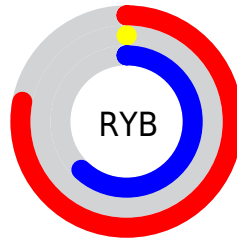
The YUV color **77.1000, 39.3907, 106.0293** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **120.9000, -39.3907, -106.0293**, and the grayscale version is **77.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **152.6560, 29.2566, 89.7557**, and **53.5310, 25.3742, 74.9563** is the 20% darker color. If you saturate the color by 10%, you get **77.1000, 39.3907, 106.0293**, and if you desaturate by 10%, it is **89.2960, 35.3501, 95.3334**.

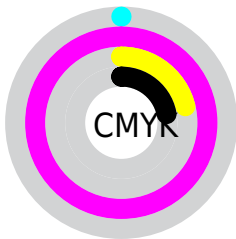
# Distribution



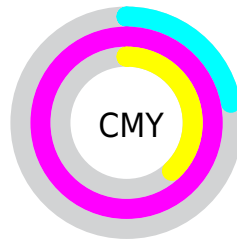
- Red (78%)
- Green (0%)
- Blue (62%)



- Red (78%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (21%)
- Black (22%)



- Cyan (22%)
- Magenta (100%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 77.1000, 39.3907, 106.0293 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 77.1000, 39.3907, 106.0293 by changing the saturation by 10% instead.



■ 77.1000, 39.3907,  
106.0293

■ 77.1000, 39.3907,  
106.0293

■ 255.0000, 0.0000,  
0.0000

■ 65.1660, 32.4562,  
90.1854

■ 152.6560, 29.2566,  
89.7557

■ 53.5310, 25.3742,  
74.9563

■ 173.4580, 32.8052,  
71.5123

■ 42.1240, 19.1659,  
59.5273

■ 192.7780, 30.6754,  
54.5687

■ 31.0160, 12.8101,  
44.7130

■ 210.3880, 21.9937,  
39.1247

■ 20.4350, 7.1805,  
30.3135

■ 227.4110, 13.6014,  
24.1956

■ 7.0060, 0.9830,  
11.3957

■ 245.0210, 4.9196,

■ 0.0000, 0.0000,

8.7516

0.0000

■ 77.1000, 39.3907,  
106.0293

■ 89.2960, 35.3501,  
95.3334

■ 101.4920, 31.3094,  
84.6375

■ 113.1010, 27.5582,  
74.4564

■ 125.2970, 23.5176,  
63.7605

■ 137.4930, 19.4770,  
53.0646

■ 149.8030, 15.8731,  
42.2688

■ 161.9990, 11.8325,  
31.5729

■ 173.6080, 8.0813,  
21.3918

■ 185.8040, 4.0406,  
10.6959

# Harmonies

## Analogous

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



106.6820, 52.9078, 16.9419



77.1000, 39.3907, 106.0293



76.0400, 6.8823, 126.2529

# Triad

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



77.1000, 39.3907, 106.0293



98.0580, -48.3426, 12.2271



99.7310, 44.5026, -87.4641

# Complementary

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



77.1000, 39.3907, 106.0293



120.9000, -39.3907, -106.0293

# 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.



92.3210, 16.1107, -80.9655



77.1000, 39.3907, 106.0293



78.4690, -38.6852, -52.1543

# Square

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



77.1000, 39.3907, 106.0293



99.5400, -49.0732, 60.0394



82.8250, -15.1967, -72.6375



101.2250, 65.4581, -88.7743



# Rectangle

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



77.1000, 39.3907, 106.0293



69.2300, -11.4524, 126.9633



82.8250, -15.1967, -72.6375



97.4510, 35.7667, -85.4645

# Sweetspot

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



77.1000, 39.3907, 106.0293



208.5640, 15.0049, 40.7244



34.5320, 80.5897, 4.7954



99.8580, 8.9440, 24.6805



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.



77.1000, 39.3907, 106.0293



99.2730, 50.6444, 136.5726



65.9280, -3.4155, 115.8271



93.4890, 1.7309, 4.8331



63.4430, 32.3196, 87.3115



13.9560, 6.9237, 19.3326



# Inverse Universe

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



77.1000, 39.3907, 106.0293



99.2730, 50.6444, 136.5726



132.0720, 3.4155, -115.8271



93.4890, 1.7309, 4.8331



63.4430, 32.3196, 87.3115



13.9560, 6.9237, 19.3326



# Previews

## White Background



This preview shows how the YUV color 77.1000, 39.3907, 106.0293 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 77.1000, 39.3907, 106.0293 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

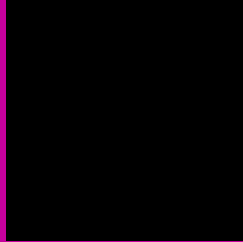
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 77.1000, 39.3907, 106.0293

## Background



This preview shows how black text looks on a background with the YUV color 77.1000, 39.3907, 106.0293.



This preview shows how white text looks on a background with the YUV color 77.1000, 39.3907,



# 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

86.3560, 66.8725, -75.7342

### Deuteranopia

108.5700, 18.9460, -10.1469

### Tritanopia

100.9130, -17.7051, 79.0063

# Trichromacy



## Protanomaly

82.8420, 56.7729, -9.5084

## Deuteranomaly

97.1960, 26.5254, 32.2771

## Tritanomaly

92.0710, 2.9230, 89.3917

# Monochromacy



## Achromatopsia

77.0000, 0.0000, 0.0000

## Achromatomaly

77.0260, 14.2842, 38.5652

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 77.1000, 39.3907, 106.0293 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(198, 0, 157)` looks like.

```
.text, #text, p{  
    color:rgb(198, 0, 157)  
}
```

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(198, 0, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 0, 157) }
```

## Border

The CSS property to change the border of an element to YUV 77.1000, 39.3907, 106.0293 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(198, 0, 157) }
```

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

```
.border{ border-color:rgb(198, 0, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 0, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 0, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 0, 157);  
box-shadow:4px 4px 4px 4px rgb(198, 0,  
157) }
```



# Background

The CSS property to change the background color of an element to YUV 77.1000, 39.3907, 106.0293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 0, 157) }
```

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

```
.background{ background-color: rgb(198, 0,  
157) }
```

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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