

# Converting Colors

YUV(77.0030, 53.2425, 96.4674)

Have a look what the booklet for  
YUV(77.0030, 53.2425, 96.4674)  
contains.

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# Color

**YUV(77.0030, 53.2425,  
96.4674)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BB00B9
RGB	187, 0, 185
RGB Percent	73%, 0%, 73%
CMY	0.2667, 1.0000, 0.2745
CMYK	0.00, 1.00, 0.01, 0.27
HSL	301°, 100%, 37%
HSV	301°, 100%, 73%
XYZ	29.2505, 14.0676, 47.0726
YIQ	77.0030, 52.0670, 97.1790

# Conversions

## Conversions Part 2

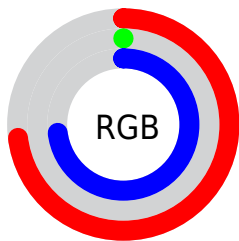
Format	Color
<b>RYB</b>	187, 0, 185
Decimal	12255417
CIELab	44.33, 77.53, -47.21
CIElCh	44, 90.775, 328.661
Yxy	14.0676, 0.3236, 0.1556
Android (android.graphics.Color)	4290445497 (0xFFBB00B9)
YUV	77.0030, 53.2425, 96.4674
Hunter-Lab	37.5068, 73.5703, -48.1567

# Details

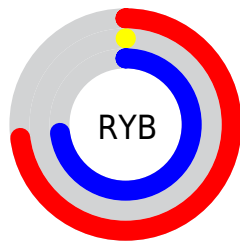
The YUV color **77.0030, 53.2425, 96.4674** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **109.9970, -53.2425, -96.4674**, and the grayscale version is **76.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **153.0970, 43.8292, 82.3529**, and **53.5050, 38.2050, 66.2091** is the 20% darker color. If you saturate the color by 10%, you get **77.0030, 53.2425, 96.4674**, and if you desaturate by 10%, it is **88.1560, 47.7441, 86.6862**.

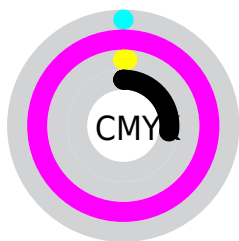
# Distribution



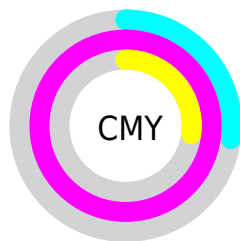
- Red (73%)
- Green (0%)
- Blue (73%)



- Red (73%)
- Yellow (0%)
- Blue (73%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (27%)



- Cyan (27%)
- Magenta (100%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 77.0030, 53.2425, 96.4674 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 77.0030, 53.2425, 96.4674 by changing the saturation by 10% instead.



77.0030, 53.2425,  
96.4674

77.0030, 53.2425,  
96.4674

255.0000, 0.0000,  
0.0000

65.2540, 45.7238,  
81.3382

153.0970, 43.8292,  
82.3529

53.5050, 38.2050,  
66.2091

175.1680, 39.3572,  
70.0127

41.8700, 31.1231,  
50.9800

192.1910, 30.9648,  
55.0835

30.9470, 24.1831,  
36.8805

209.8010, 22.2831,  
39.6395

19.9530, 18.2642,  
21.9662

226.8240, 13.8908,  
24.7104

4.4740, 14.5563,  
-2.1697

244.4340, 5.2090,

0.7980, 3.0576,

9.2664

-0.6998

■ 0.0000, 0.0000,  
0.0000

■ 77.0030, 53.2425,  
96.4674

■ 88.1560, 47.7441,  
86.6862

■ 98.7220, 42.5351,  
77.4198

■ 109.9890, 37.4734,  
67.5386

■ 121.1420, 31.9750,  
57.7575

■ 132.2950, 26.4766,  
47.9763

■ 142.8610, 21.2675,  
38.7099

■ 154.0140, 15.7691,  
28.9287

■ 165.2810, 10.7075,  
19.0476

■ 175.8470, 5.4984,  
9.7812

# Harmonies

## Analogous

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



97.2770, 70.3624, -28.3069



77.0030, 53.2425, 96.4674



80.6410, 15.4600, 128.3568

# Triad

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



77.0030, 53.2425, 96.4674



98.4560, -48.5388, 28.5411



98.7220, 38.0981, -86.5792

# Complementary

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



77.0030, 53.2425, 96.4674



109.9970, -53.2425, -96.4674

# 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.



89.3570, 4.7540, -78.3661



77.0030, 53.2425, 96.4674



85.9880, -42.3921, -29.8075

# Square

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



77.0030, 53.2425, 96.4674



92.8940, -45.7967, 82.5310



75.8370, -36.8946, -66.5090



103.8010, 65.1741, -91.0335



# Rectangle

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



77.0030, 53.2425, 96.4674



75.3540, -6.0905, 133.8705



75.8370, -36.8946, -66.5090



95.9860, 27.6149, -84.1797

# Sweetspot

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



77.0030, 53.2425, 96.4674



199.6220, 20.3994, 37.1655



21.3180, 81.6812, -18.6959



96.1720, 12.7332, 22.6512



250.0000, 0.0000, 0.0000



122.0000, 0.0000, 0.0000



# Same Dimension

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



77.0030, 53.2425, 96.4674



99.7180, 69.1590, 124.7813



66.6290, 13.4939, 105.5654



88.7170, 2.6045, 4.6332



65.0260, 44.8502, 81.5382



12.6890, 8.5343, 16.0587



# Inverse Universe

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



77.0030, 53.2425, 96.4674



99.7180, 69.1590, 124.7813



120.4850, -13.0571, -105.6653



88.7170, 2.6045, 4.6332



65.0260, 44.8502, 81.5382



12.6890, 8.5343, 16.0587



# Previews

## White Background



This preview shows how the YUV color 77.0030, 53.2425, 96.4674 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

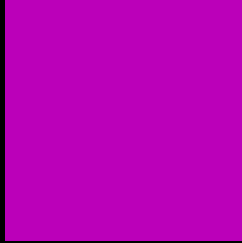
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 77.0030, 53.2425, 96.4674 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

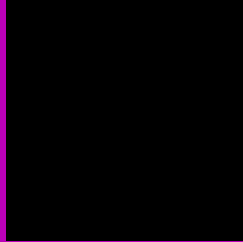
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 77.0030, 53.2425, 96.4674

## Background



This preview shows how black text looks on a background with the YUV color 77.0030, 53.2425, 96.4674.



This preview shows how white text looks on a background with the YUV color 77.0030, 53.2425,



# 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

85.3130, 65.4147, -74.8195

### Deuteranopia

102.3790, 35.3092, -31.9044

### Tritanopia

104.2530, -13.4357, 62.9221

# Trichromacy



## Protanomaly

82.5580, 60.8569, -12.7674

## Deuteranomaly

93.0980, 41.8567, 14.8231

## Tritanomaly

94.0460, 10.8233, 75.3817

# Monochromacy



## Achromatopsia

77.0000, 0.0000, 0.0000

## Achromatomaly

76.9700, 19.2418, 35.1063

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 77.0030, 53.2425, 96.4674 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(187, 0, 185)` looks like.

```
.text, #text, p{  
    color:rgb(187, 0, 185)  
}
```

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(187, 0, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 0, 185) }
```

## Border

The CSS property to change the border of an element to YUV 77.0030, 53.2425, 96.4674 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(187, 0, 185) }
```

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

```
.border{ border-color:rgb(187, 0, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 0, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 0, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 0, 185);  
box-shadow:4px 4px 4px 4px rgb(187, 0,  
185) }
```



# Background

The CSS property to change the background color of an element to YUV 77.0030, 53.2425, 96.4674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 0, 185) }
```

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

```
.background{ background-color: rgb(187, 0,  
185) }
```

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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