

# Converting Colors

YUV(75.6240, 64.7684, 86.2758)

Have a look what the booklet for  
YUV(75.6240, 64.7684, 86.2758)  
contains.

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# Color

**YUV(75.6240, 64.7684,  
86.2758)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AE00CF
RGB	174, 0, 207
RGB Percent	68%, 0%, 81%
CMY	0.3176, 1.0000, 0.1882
CMYK	0.16, 1.00, 0.00, 0.19
HSL	290°, 100%, 41%
HSV	290°, 100%, 81%
XYZ	28.7180, 13.5037, 60.1243
YIQ	75.6240, 37.2570, 101.2650

# Conversions

## Conversions Part 2

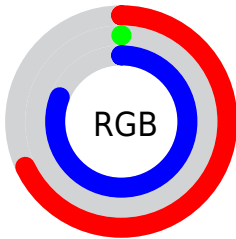
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	174, 0, 207
Decimal	11403471
CIE <sub>Lab</sub>	43.51, 78.99, -61.47
CIE <sub>LCh</sub>	44, 100.095, 322.109
Yxy	13.5037, 0.2806, 0.1319
Android (android.graphics.Color)	4289593551 (0xFFAE00CF)
YUV	75.6240, 64.7684, 86.2758
Hunter-Lab	36.7473, 75.1899, -71.2845

# Details

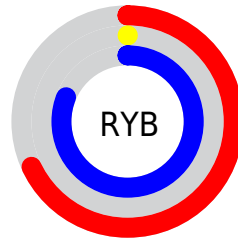
The YUV color **75.6240, 64.7684, 86.2758** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **131.3760, -64.7684, -86.2758**, and the grayscale version is **75.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **150.1050, 51.7132, 73.5759**, and **51.8980, 48.8573, 56.2175** is the 20% darker color. If you saturate the color by 10%, you get **75.6240, 64.7684, 86.2758**, and if you desaturate by 10%, it is **88.8480, 58.2489, 77.3093**.

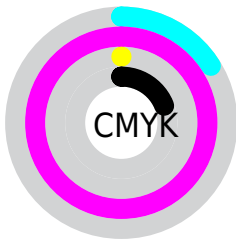
# Distribution



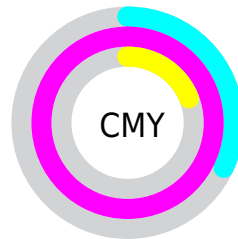
- Red (68%)
- Green (0%)
- Blue (81%)



- Red (68%)
- Yellow (0%)
- Blue (81%)



- Cyan (16%)
- Magenta (100%)
- Yellow (0%)
- Black (19%)




- Cyan (32%)
- Magenta (100%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 75.6240, 64.7684, 86.2758 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 75.6240, 64.7684, 86.2758 by changing the saturation by 10% instead.





 75.6240, 64.7684,  
86.2758


 75.6240, 64.7684,  
86.2758


255.0000, 0.0000,  
0.0000


 63.7610, 56.8128,  
71.2466


 150.1050, 51.7132,  
73.5759


 51.8980, 48.8573,  
56.2175


 173.9940, 39.9360,  
71.0423


 40.2630, 41.7753,  
40.9883


 191.6040, 31.2542,  
55.5983

 28.6280, 34.6934,  
25.7592

 208.6270, 22.8619,  
40.6691

 16.2100, 28.4905,  
8.5858

 226.2370, 14.1802,  
25.2252

 5.7000, 21.8399,  
-4.9989

 243.2600, 5.7878,

 4.3660, 11.6516,

10.2960

-3.8290

■ 0.0000, 0.0000,  
0.0000

■ 75.6240, 64.7684,  
86.2758

■ 88.8480, 58.2489,  
77.3093

■ 101.7840, 51.8715,  
69.4724

■ 115.0080, 45.3521,  
60.5060

■ 128.2320, 38.8326,  
51.5395

■ 141.7550, 32.1658,  
43.1879

■ 154.3920, 25.9357,  
34.7362

■ 167.6160, 19.4163,  
25.7698

■ 180.8400, 12.8969,  
16.8033

■ 193.7760, 6.5194,  
8.9664

# Harmonies

## Analogous

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



83.0740, 84.7595, -72.8559



75.6240, 64.7684, 86.2758



83.4760, 22.4433, 128.5015

# Triad

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



75.6240, 64.7684, 86.2758



97.0600, -47.8506, 41.1664



97.3540, 32.8565, -85.3795

# Complementary

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



75.6240, 64.7684, 86.2758



131.3760, -64.7684, -86.2758

# 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.



85.6750, -4.2768, -75.1370



75.6240, 64.7684, 86.2758



87.2280, -43.0034, -20.3710

# Square

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



75.6240, 64.7684, 86.2758



80.6440, -39.7575, 105.5522



74.5490, -36.7527, -65.3795



104.3880, 64.8847, -91.5483



# Rectangle

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



75.6240, 64.7684, 86.2758



79.7120, -2.3230, 138.8186



74.5490, -36.7527, -65.3795



93.5750, 20.9155, -82.0653

# Sweetspot

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



75.6240, 64.7684, 86.2758



206.8000, 23.7626, 31.7474



44.1430, 80.2885, -38.7134



98.6060, 14.4912, 18.7625



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.



75.6240, 64.7684, 86.2758



93.0560, 79.8384, 106.0679



77.6250, 29.7649, 113.4619



97.9450, 3.4781, 4.4332



61.3110, 52.5977, 69.8873



14.8400, 12.8969, 16.8033



# Inverse Universe

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



65.6550, -16.0989, 123.9596



80.9190, -19.6801, 152.6690



129.3750, -29.7649, -113.4619



97.5170, -0.7479, 6.5626



53.3100, -12.9708, 100.5831



13.0570, -2.9861, 24.5060



# Previews

## White Background



This preview shows how the YUV color 75.6240, 64.7684, 86.2758 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

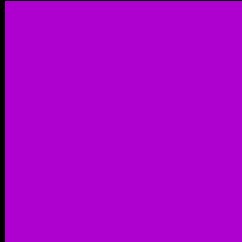
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 75.6240, 64.7684, 86.2758 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

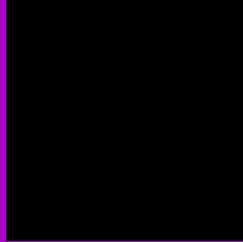
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 75.6240, 64.7684, 86.2758

## Background



This preview shows how black text looks on a background with the YUV color 75.6240, 64.7684, 86.2758.



This preview shows how white text looks on a background with the YUV color 75.6240, 64.7684,



# 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

83.5690, 63.8095, -73.2900

### Deuteranopia

84.2410, 51.1532, -73.8794

### Tritanopia

104.7070, -8.7296, 46.7380

# Trichromacy



## Protanomaly

80.4590, 64.3567, -15.3115

## Deuteranomaly

80.9830, 56.2104, -15.7711

## Tritanomaly

94.4940, 17.9975, 60.9568

# Monochromacy



## Achromatopsia

76.0000, 0.0000, 0.0000

## Achromatomaly

75.8000, 23.7626, 31.7474

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 75.6240, 64.7684, 86.2758 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(174, 0, 207)` looks like.

```
.text, #text, p{  
    color:rgb(174, 0, 207)  
}
```

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(174, 0, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 0, 207) }
```

## Border

The CSS property to change the border of an element to YUV 75.6240, 64.7684, 86.2758 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(174, 0, 207) }
```

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

```
.border{ border-color:rgb(174, 0, 207) }
```

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

Here you see how a box with a 4 pixel rgb(174, 0, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 0, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 0, 207);  
box-shadow:4px 4px 4px 4px rgb(174, 0,  
207) }
```



# Background

The CSS property to change the background color of an element to YUV 75.6240, 64.7684, 86.2758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 0, 207) }
```

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

```
.background{ background-color: rgb(174, 0,  
207) }
```

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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