

# Converting Colors

YUV(99.8580, 76.4850, 61.5145)

Have a look what the booklet for  
YUV(99.8580, 76.4850, 61.5145)  
contains.

<b>YUV(99.8580, 76.4850, 61.5145)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(99.8580, 76.4850,  
61.5145)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AA22FF
RGB	170, 34, 255
RGB Percent	67%, 13%, 100%
CMY	0.3333, 0.8667, 0.0000
CMYK	0.33, 0.87, 0.00, 0.00
HSL	277°, 100%, 57%
HSV	277°, 87%, 100%
XYZ	35.1996, 16.9101, 96.0165
YIQ	99.8580, 10.1150, 97.5630

# Conversions

## Conversions Part 2

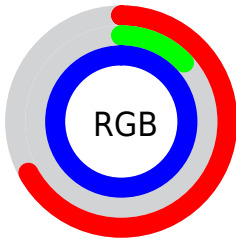
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 34, 255
Decimal	11150079
CIE <sub>Lab</sub>	48.15, 82.57, -81.19
CIE <sub>LCh</sub>	48, 115.800, 315.482
Yxy	16.9101, 0.2376, 0.1142
Android (android.graphics.Color)	4289340159 (0xFFAA22FF)
YUV	99.8580, 76.4850, 61.5145
Hunter-Lab	41.1219, 80.8294, -109.6523

# Details

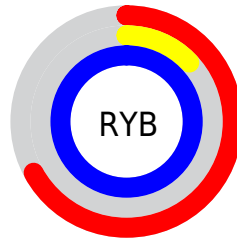
The YUV color **99.8580, 76.4850, 61.5145** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **189.1420, -76.4850, -61.5145**, and the grayscale version is **99.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **157.4260, 48.1040, 64.5244**, and **55.0490, 69.9818, 47.3150** is the 20% darker color. If you saturate the color by 10%, you get **81.6060, 85.4832, 68.7515**, and if you desaturate by 10%, it is **117.5230, 67.7762, 54.7923**.

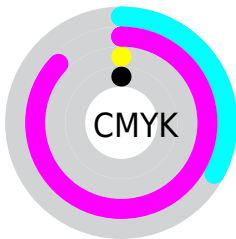
# Distribution



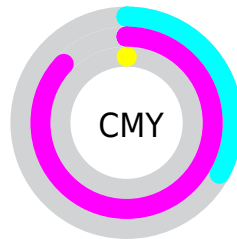
- Red (67%)
- Green (13%)
- Blue (100%)



- Red (67%)
- Yellow (13%)
- Blue (100%)



- Cyan (33%)
- Magenta (87%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (87%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 99.8580, 76.4850, 61.5145 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 99.8580, 76.4850, 61.5145 by changing the saturation by 10% instead.



99.8580, 76.4850,  
61.5145

99.8580, 76.4850,  
61.5145

255.0000, 0.0000,  
0.0000

67.3250, 78.2268,  
62.8590

157.4260, 48.1040,  
64.5244

55.0490, 69.9818,  
47.3150

182.2120, 35.8845,  
63.8351

41.9900, 62.6159,  
29.8268

199.2350, 27.4921,  
48.9059

27.7350, 55.8396,  
9.8794

216.2580, 19.0998,  
33.9767

13.1100, 50.2318,  
-11.4975

233.8680, 10.4181,  
18.5328

10.1460, 38.8750,  
-8.8980

251.4780, 1.7363,

11.4050, 25.9293,

3.0888

-10.0022

■ 6.4350, 17.0405,  
-5.6435

■ 2.7530, 8.0098,  
-2.4144

■ 99.8580, 76.4850,  
61.5145

■ 99.8580, 76.4850,  
61.5145

■ 81.6060, 85.4832,  
68.7515

■ 117.5230, 67.7762,  
54.7923

■ 76.0130, 88.2406,  
71.0256

■ 135.7750, 58.7779,  
47.5553

■ 153.1410, 50.2165,  
40.2183

■ 171.3930, 41.2183,  
32.9813

189.6450, 32.2200,  
25.7443

207.3100, 23.5112,  
19.0221

224.9750, 14.8023,  
12.2999

242.9280, 5.9515,  
4.4481

255.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



95.4010, 78.6823, -83.6667



99.8580, 76.4850, 61.5145



95.1690, 34.9197, 140.1718

# Triad

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



99.8580, 76.4850, 61.5145



107.2260, -52.8624, 62.0688



106.2730, 28.9524, -93.2014

# Complementary

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



99.8580, 76.4850, 61.5145



189.1420, -76.4850, -61.5145

# 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.



92.5420, -16.0432, -81.1593



99.8580, 76.4850, 61.5145



101.1710, -49.8773, -8.9200

# Square

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



99.8580, 76.4850, 61.5145



71.7600, -35.3777, 147.5465



82.1800, -40.5147, -72.0719



117.1200, 67.9748, -102.7142



# Rectangle

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



99.8580, 76.4850, 61.5145



87.8730, 6.9646, 146.5704



82.1800, -40.5147, -72.0719



101.8100, 14.3907, -89.2874

# Sweetspot

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



99.8580, 76.4850, 61.5145



208.4840, 22.9324, 17.9925



110.8500, 71.0660, -67.3974



99.7360, 13.9342, 10.7555



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.



99.8580, 76.4850, 61.5145



76.0130, 88.2406, 71.0256



122.7650, 54.3459, 115.9701



118.8740, 4.4991, 3.6185



57.0560, 66.0344, 53.4479



18.9570, 22.2062, 17.5777



# Inverse Universe

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



109.7690, 4.5509, 127.3676



87.4170, 5.2174, 146.9703



166.2350, -54.3459, -115.9701



119.4570, 0.2677, 7.4922



65.5450, 4.1683, 110.0240



21.9860, 1.4859, 36.8463



# Previews

## White Background



This preview shows how the YUV color 99.8580, 76.4850, 61.5145 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

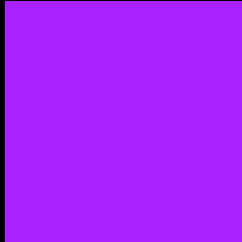
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 99.8580, 76.4850, 61.5145 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

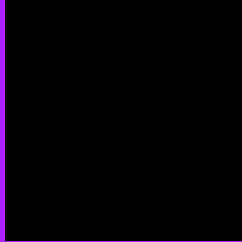
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 99.8580, 76.4850, 61.5145

## Background



This preview shows how black text looks on a background with the YUV color 99.8580, 76.4850, 61.5145.



This preview shows how white text looks on a background with the YUV color 99.8580, 76.4850,



# 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



### Original Color

99.8580, 76.4850, 61.5145

### Protanopia

91.7190, 69.6515, -80.4376

### Deuteranopia

91.7070, 54.3744, -80.4270



## Tritanopia

116.1710, -2.5493, 24.4060

# Trichromacy



## Original Color

99.8580, 76.4850, 61.5145



## Protanomaly

94.7330, 72.1096, -28.7068



## Deuteranomaly

94.8010, 62.2161, -28.7665



## Tritanomaly

110.1150, 26.0723, 37.6101

# Monochromacy



## Original Color

99.8580, 76.4850, 61.5145



## Achromatopsia

100.0000, 0.0000, 0.0000



## Achromatomaly

99.7710, 27.7209, 22.1258

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 99.8580, 76.4850, 61.5145 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(170, 34, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 34, 255)  
}
```

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(170, 34, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 34, 255) }
```

## Border

The CSS property to change the border of an element to YUV 99.8580, 76.4850, 61.5145 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(170, 34, 255) }
```



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

```
.border{ border-color:rgb(170, 34, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 34, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 34, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 34, 255);  
box-shadow:4px 4px 4px 4px rgb(170, 34,  
255) }
```

# Background

The CSS property to change the background color of an element to YUV 99.8580, 76.4850, 61.5145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 34, 255) }
```

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

```
.background{ background-color: rgb(170, 34,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor