

# Converting Colors

YUV(94.8500, 78.9540,  
109.7566)

Have a look what the booklet for  
YUV(94.8500, 78.9540, 109.7566)  
contains.

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# Color

**YUV(94.8500, 78.9540,  
109.7566)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DC00FF
RGB	220, 0, 255
RGB Percent	86%, 0%, 100%
CMY	0.1373, 1.0000, 0.0000
CMYK	0.14, 1.00, 0.00, 0.00
HSL	292°, 100%, 50%
HSV	292°, 100%, 100%
XYZ	47.5652, 22.4356, 96.4313
YIQ	94.8500, 49.2650, 125.9450

# Conversions

## Conversions Part 2

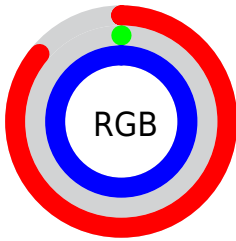
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	220, 0, 255
Decimal	14418175
CIE <sub>Lab</sub>	54.49, 93.15, -70.54
CIE <sub>LCh</sub>	54, 116.841, 322.864
Yxy	22.4356, 0.2858, 0.1348
Android (android.graphics.Color)	4292608255 (0xFFDC00FF)
YUV	94.8500, 78.9540, 109.7566
Hunter-Lab	47.3663, 96.3586, -87.5500

# Details

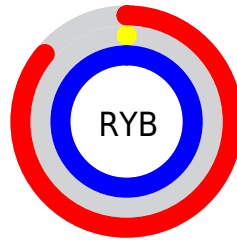
The YUV color **94.8500, 78.9540, 109.7566** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **160.1500, -78.9540, -109.7566**, and the grayscale version is **94.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **163.4280, 45.1450, 80.3086**, and **69.9990, 62.6115, 78.0539** is the 20% darker color. If you saturate the color by 10%, you get **94.8500, 78.9540, 109.7566**, and if you desaturate by 10%, it is **110.7210, 71.1295, 99.3457**.

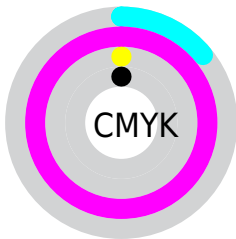
# Distribution



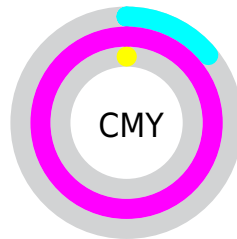
- Red (86%)
- Green (0%)
- Blue (100%)



- Red (86%)
- Yellow (0%)
- Blue (100%)



- Cyan (14%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)




- Cyan (14%)
- Magenta (100%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 94.8500, 78.9540, 109.7566 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 94.8500, 78.9540, 109.7566 by changing the saturation by 10% instead.





 94.8500, 78.9540,  
109.7566


 94.8500, 78.9540,  
109.7566


255.0000, 0.0000,  
0.0000


 82.2750, 70.8564,  
93.5978


 163.4280, 45.1450,  
80.3086


 69.9990, 62.6115,  
78.0539


 182.2120, 35.8845,  
63.8351


 57.8370, 54.8034,  
62.4100


 200.4090, 26.9134,  
47.8763

 45.7890, 47.4320,  
46.6660

 218.6060, 17.9422,  
31.9175

 33.7410, 40.0607,  
30.9221

 236.2160, 9.2605,  
16.4736

 21.0240, 34.0052,  
13.1340

254.4130, 0.2894,

 7.4100, 28.3919,

0.5148

-6.4986

■ 6.5490, 17.4773,  
-5.7435

■ 2.8670, 8.4466,  
-2.5144

■ 94.8500, 78.9540,  
109.7566

■ 110.7210, 71.1295,  
99.3457

■ 126.8800, 63.1632,  
87.8052

■ 143.3380, 55.0494,  
76.8796

■ 158.9100, 47.3724,  
65.8539

■ 175.3680, 39.2586,  
54.9283

■ 190.9400, 31.5816,  
43.9026

■ 207.3980, 23.4678,  
32.9770

■ 222.9700, 15.7908,  
21.9513

■ 239.4280, 7.6770,  
11.0256

# Harmonies

## Analogous

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



97.1620, 77.8141, -85.2111



94.8500, 78.9540, 109.7566



94.3710, 31.8621, 140.8716

# Triad

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



94.8500, 78.9540, 109.7566



123.3740, -60.8234, 48.7840



122.2140, 41.7995, -107.1817

# Complementary

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



94.8500, 78.9540, 109.7566



160.1500, -78.9540, -109.7566

# 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.



109.0700, -3.4855, -95.6544



94.8500, 78.9540, 109.7566



110.2090, -54.3330, -26.4933

# Square

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



94.8500, 78.9540, 109.7566



104.9750, -51.7527, 126.3099



93.9200, -46.3026, -82.3678



126.5120, 63.3446, -110.9510



# Rectangle

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



94.8500, 78.9540, 109.7566



86.8470, 3.0334, 147.4702



93.9200, -46.3026, -82.3678



117.7510, 27.2378, -103.2676

# Sweetspot

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



94.8500, 78.9540, 109.7566



207.3980, 23.4678, 32.9770



51.3760, 100.3866, -45.0568



98.9050, 14.3438, 19.3773



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.



94.8500, 78.9540, 109.7566



95.1690, 34.9197, 140.1718



119.7710, 4.0569, 5.4628



71.1090, 59.1063, 82.3424



23.7410, 19.8477, 27.4141

# Inverse Universe

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



80.2350, -22.3009, 153.2689



159.8310, -34.9197, -140.1718



119.0010, -1.4795, 7.8921



60.0730, -16.7980, 114.8230



20.1620, -5.5029, 38.4459

# Previews

## White Background



This preview shows how the YUV color 94.8500, 78.9540, 109.7566 looks on a white background.

## Color Contrast Check

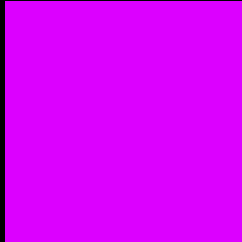
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the YUV color 94.8500, 78.9540, 109.7566 looks on a black 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

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

# YUV 94.8500, 78.9540, 109.7566

## Background



This preview shows how black text looks on a background with the YUV color 94.8500, 78.9540, 109.7566.



This preview shows how white text looks on a background with the YUV color 94.8500, 78.9540,



109.7566.

# 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

119.7540, 66.6763, -59.4203

### Deuteranopia

105.6760, 64.7427, -92.6779

### Tritanopia

130.9970, -11.8305, 61.3926

# Trichromacy



## Protanomaly

110.4040, 71.2858, 2.2767

## Deuteranomaly

101.6310, 70.1879, -18.9704

## Tritanomaly

118.1140, 21.1428, 78.8300

# Monochromacy



## Achromatopsia

95.0000, 0.0000, 0.0000

## Achromatomaly

94.5220, 28.8297, 39.8842

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 94.8500, 78.9540, 109.7566 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(220, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 0, 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(220, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 0, 255) }
```

## Border

The CSS property to change the border of an element to YUV 94.8500, 78.9540, 109.7566 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(220, 0, 255) }
```

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

```
.border{ border-color:rgb(220, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(220, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 0,  
255) }
```

# Background

The CSS property to change the background color of an element to YUV 94.8500, 78.9540, 109.7566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 0, 255) }
```

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

```
.background{ background-color: rgb(220, 0,  
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](#).

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