

# Converting Colors

YUV(105.9500, 73.4817,  
44.7709)

Have a look what the booklet for  
YUV(105.9500, 73.4817, 44.7709)  
contains.

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# Color

**YUV(105.9500, 73.4817,  
44.7709)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9D33FF
RGB	157, 51, 255
RGB Percent	62%, 20%, 100%
CMY	0.3843, 0.8000, 0.0000
CMYK	0.38, 0.80, 0.00, 0.00
HSL	271°, 100%, 60%
HSV	271°, 80%, 100%
XYZ	33.1385, 16.7558, 96.0953
YIQ	105.9500, -2.3080, 85.9160

# Conversions

## Conversions Part 2

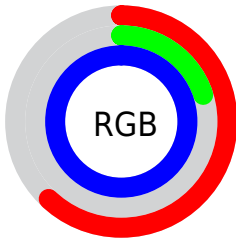
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	157, 51, 255
Decimal	10302463
CIE <sub>Lab</sub>	47.95, 76.26, -81.58
CIE <sub>LCh</sub>	48, 111.676, 313.070
Yxy	16.7558, 0.2270, 0.1148
Android (android.graphics.Color)	4288492543 (0xFF9D33FF)
YUV	105.9500, 73.4817, 44.7709
Hunter-Lab	40.9338, 72.8727, -110.5343

# Details

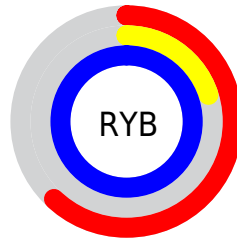
The YUV color **105.9500, 73.4817, 44.7709** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **200.0500, -73.4816, -44.7708**, and the grayscale version is **105.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **158.8220, 47.4158, 51.8991**, and **50.8630, 72.0455, 38.7081** is the 20% darker color. If you saturate the color by 10%, you get **87.1000, 82.7747, 50.7783**, and if you desaturate by 10%, it is **124.8000, 64.1886, 38.7634**.

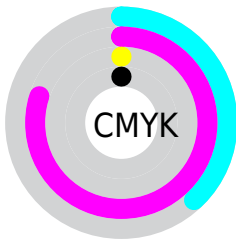
# Distribution



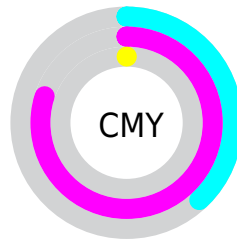
- Red (62%)
- Green (20%)
- Blue (100%)



- Red (62%)
- Yellow (20%)
- Blue (100%)



- Cyan (38%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)




- Cyan (38%)
- Magenta (80%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 105.9500, 73.4817, 44.7709 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 105.9500, 73.4817, 44.7709 by changing the saturation by 10% instead.





 105.9500, 73.4817,  
44.7709


 105.9500, 73.4817,  
44.7709


255.0000, 0.0000,  
0.0000


 66.9600, 78.4067,  
51.7781


 158.8220, 47.4158,  
51.8991


 50.8630, 72.0455,  
38.7081


 185.1140, 34.4538,  
56.0280

 37.5050, 64.8270,  
20.6051


 203.3440, 25.4664,  
45.3023

 19.0640, 60.1144,  
-7.9491

 220.3670, 17.0741,  
30.3731

 13.1100, 50.2318,  
-11.4975

 237.9770, 8.3923,  
14.9292

 10.1460, 38.8750,  
-8.8980

 11.4050, 25.9293,

-10.0022

■ 6.4350, 17.0405,  
-5.6435

■ 2.7530, 8.0098,  
-2.4144

■ 105.9500, 73.4817,  
44.7709

■ 105.9500, 73.4817,  
44.7709

■ 87.1000, 82.7747,  
50.7783

■ 124.8000, 64.1886,  
38.7634

■ 68.5380, 91.9258,  
55.6562

■ 143.0630, 55.1849,  
33.2707

■ 162.2120, 45.7445,  
27.8781

■ 180.4750, 36.7408,  
22.3854

■ 199.3250, 27.4478,  
16.3780

■ 217.8870, 18.2967,  
11.5001

■ 236.7370, 9.0037,  
5.4927

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.



96.5750, 78.1035, -84.6963



105.9500, 73.4817, 44.7709



93.0480, 38.4303, 134.1389

# Triad

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



105.9500, 73.4817, 44.7709



105.7750, -52.1471, 65.9723



104.5460, 24.8738, -91.6868

# Complementary

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



105.9500, 73.4817, 44.7709



200.0500, -73.4816, -44.7708

# 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.



91.1570, -18.8114, -79.9447



105.9500, 73.4817, 44.7709



102.4000, -50.4832, -1.2278

# Square

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



105.9500, 73.4817, 44.7709



71.4610, -35.2303, 146.9317



81.0060, -39.9360, -71.0423



114.6920, 63.7488, -100.5849



# Rectangle

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



105.9500, 73.4817, 44.7709



88.6710, 10.0222, 145.8705



81.0060, -39.9360, -71.0423



100.1970, 10.7489, -87.8728

# Sweetspot

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



105.9500, 73.4817, 44.7709



210.5220, 21.9277, 13.5742



132.3690, 60.4571, -71.3606



100.8990, 13.3608, 7.9816



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.



105.9500, 73.4817, 44.7709



75.9030, 88.2948, 53.5821



134.9100, 57.7254, 105.3189



118.2760, 4.7939, 2.3889



51.3750, 68.8351, 41.7671



17.1630, 23.0906, 13.8890



# Inverse Universe

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



123.1680, 12.7352, 115.6167



96.7070, 15.4274, 138.8230



171.0900, -57.7254, -105.3189



119.5710, 0.7045, 7.3922



67.5970, 12.0307, 108.2244

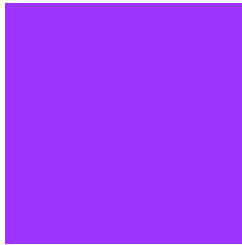


22.6700, 4.1067, 36.2464



# Previews

## White Background



This preview shows how the YUV color 105.9500, 73.4817, 44.7709 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

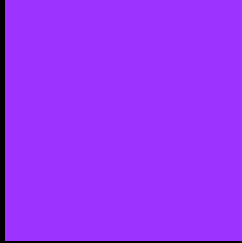
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 105.9500, 73.4817, 44.7709 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

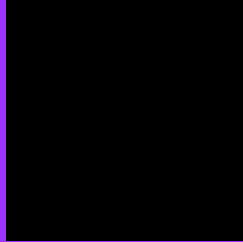
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 105.9500, 73.4817, 44.7709

## Background



This preview shows how black text looks on a background with the YUV color 105.9500, 73.4817, 44.7709.



This preview shows how white text looks on a background with the YUV color 105.9500, 73.4817, 44.7709.



# 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

105.9500, 73.4817, 44.7709

### Protanopia

90.9040, 69.0673, -79.7228

### Deuteranopia

91.4790, 53.5009, -80.2271



## Tritanopia

114.8920, 0.5462, 11.4957

# Trichromacy



## Original Color

105.9500, 73.4817, 44.7709



## Protanomaly

96.6460, 70.6735, -34.7695



## Deuteranomaly

96.7140, 60.7800, -34.8292



## Tritanomaly

111.6680, 27.2787, 23.9702

# Monochromacy



## Original Color

105.9500, 73.4817, 44.7709



## Achromatopsia

106.0000, 0.0000, 0.0000



## Achromatomaly

106.0970, 26.5742, 16.5779

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 105.9500, 73.4817, 44.7709 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(157, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 51, 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(157, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 51, 255) }
```

## Border

The CSS property to change the border of an element to YUV 105.9500, 73.4817, 44.7709 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(157, 51, 255) }
```



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

```
.border{ border-color:rgb(157, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 51,  
255) }
```

# Background

The CSS property to change the background color of an element to YUV 105.9500, 73.4817, 44.7709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 51, 255) }
```

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

```
.background{ background-color: rgb(157, 51,  
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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