

# Converting Colors

YUV(117.4990, 54.4770,  
120.5884)

Have a look what the booklet for  
YUV(117.4990, 54.4770, 120.5884)  
contains.

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# Color

**YUV(117.4990, 54.4770,  
120.5884)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF1AE4
RGB	255, 26, 228
RGB Percent	100%, 10%, 89%
CMY	0.0000, 0.8980, 0.1059
CMYK	0.00, 0.90, 0.11, 0.00
HSL	307°, 100%, 55%
HSV	307°, 90%, 100%
XYZ	55.6130, 27.6002, 75.7950
YIQ	117.4990, 71.6420, 111.3700

# Conversions

## Conversions Part 2

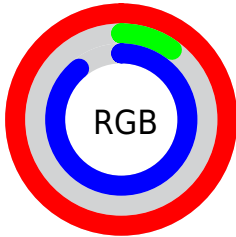
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 26, 228
Decimal	16718564
CIE Lab	59.53, 92.66, -47.03
CIE LCh	60, 103.911, 333.086
Yxy	27.6002, 0.3497, 0.1736
Android (android.graphics.Color)	4294908644 (0xFFFF1AE4)
YUV	117.4990, 54.4770, 120.5884
Hunter-Lab	52.5359, 97.0170, -48.7642

# Details

The YUV color **117.4990, 54.4770, 120.5884** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **163.5010, -54.4770, -120.5884**, and the grayscale version is **117.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **169.8850, 41.9617, 74.6459**, and **77.3150, 46.6797, 101.4557** is the 20% darker color. If you saturate the color by 10%, you get **101.8950, 60.6908, 134.2731**, and if you desaturate by 10%, it is **132.5160, 48.5526, 107.4185**.

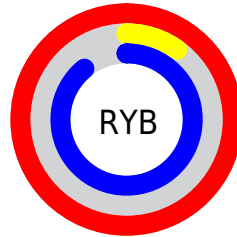
# Distribution



Red (100%)

Green (10%)

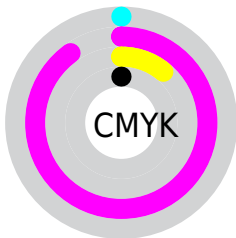
Blue (89%)



Red (100%)

Yellow (10%)

Blue (89%)

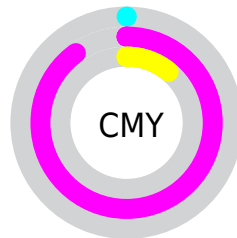


Cyan (0%)

Magenta (90%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (90%)

Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 117.4990, 54.4770, 120.5884 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 117.4990, 54.4770, 120.5884 by changing the saturation by 10% instead.





 117.4990, 54.4770,  
120.5884

 117.4990, 54.4770,  
120.5884


255.0000, 0.0000,  
0.0000


 89.7760, 54.3404,  
117.7144


 169.8850, 41.9617,  
74.6459


 77.3150, 46.6797,  
101.4557


 188.6690, 32.7012,  
58.1723


 65.2670, 39.3084,  
85.7118

 206.8660, 23.7301,  
42.2135

 53.3330, 32.3738,  
69.8680

 225.0630, 14.7589,  
26.2547

 41.6980, 25.2919,  
54.6389

 243.2600, 5.7878,  
10.2960

 30.5900, 18.9361,  
39.8246

 18.5850, 13.0226,

23.1660

■ 2.6220, 10.0464,  
-2.2995

■ 0.0000, 0.0000,  
0.0000

■ 117.4990, 54.4770,  
120.5884

■ 117.4990, 54.4770,  
120.5884

■ 101.8950, 60.6908,  
134.2731

■ 132.5160, 48.5526,  
107.4185

■ 148.1200, 42.3388,  
93.7338

■ 163.1370, 36.4145,  
80.5639

■ 178.7410, 30.2007,  
66.8791

■ 193.7580, 24.2763,  
53.7092

■ 209.3620, 18.0625,  
40.0245

■ 224.3790, 12.1382,  
26.8546

■ 239.9830, 5.9244,  
13.1699

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.



136.6630, 58.3401, 1.1725



117.4990, 54.4770, 120.5884



91.9770, 22.6893, 142.9712

# Triad

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



117.4990, 54.4770, 120.5884



133.5750, -65.8525, 28.4367



133.2480, 53.6147, -116.8585

# Complementary

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



117.4990, 54.4770, 120.5884



163.5010, -54.4770, -120.5884

# 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.



122.2870, 14.1555, -107.2457



117.4990, 54.4770, 120.5884



115.3930, -56.8887, -46.8257

# Square

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



117.4990, 54.4770, 120.5884



131.3240, -64.7427, 92.6779



108.4250, -28.8035, -95.0887



131.2080, 61.0295, -115.0694



# Rectangle

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



117.4990, 54.4770, 120.5884



85.2510, -3.0817, 148.8699



108.4250, -28.8035, -95.0887



129.9420, 40.9476, -113.9591

# Sweetspot

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



117.4990, 54.4770, 120.5884



213.5850, 16.4736, 36.3210



60.1790, 96.0468, -6.2960



103.3630, 9.6810, 21.6066



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.



117.4990, 54.4770, 120.5884



101.8950, 60.6908, 134.2731



104.5030, 4.6820, 131.9859



120.1410, 2.8885, 6.8923



76.3750, 45.6641, 100.5261



25.5200, 15.0266, 33.7470



# Inverse Universe

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



117.4990, 54.4770, 120.5884



101.8950, 60.6908, 134.2731



176.4970, -4.6820, -131.9859



120.1410, 2.8885, 6.8923



76.3750, 45.6641, 100.5261



25.5200, 15.0266, 33.7470



# Previews

## White Background



This preview shows how the YUV color 117.4990, 54.4770, 120.5884 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

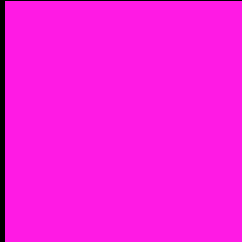
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the YUV color 117.4990, 54.4770, 120.5884 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 117.4990, 54.4770, 120.5884 Background**



This preview shows how black text looks on a background with the YUV color 117.4990, 54.4770, 120.5884.



This preview shows how white text looks on a background with the YUV color 117.4990, 54.4770,

120.5884.

# 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

117.4990, 54.4770, 120.5884

### Protanopia

137.5620, 57.8969, -43.4659

### Deuteranopia

141.8250, 35.5823, -26.1565



## Tritanopia

137.8330, -19.6377, 92.2315

# Trichromacy



## Original Color

117.4990, 54.4770, 120.5884



## Protanomaly

130.5940, 56.4022, 16.1421



## Deuteranomaly

132.7020, 42.5449, 27.4483



## Tritanomaly

130.2990, 7.2476, 102.3468

# Monochromacy



## Original Color

117.4990, 54.4770, 120.5884



## Achromatopsia

117.0000, 0.0000, 0.0000



## Achromatomaly

117.1390, 19.6515, 43.7281

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 117.4990, 54.4770, 120.5884 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(255, 26, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 26, 228)  
}
```

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(255, 26, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 228) }
```

## Border

The CSS property to change the border of an element to YUV 117.4990, 54.4770, 120.5884 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(255, 26, 228) }
```



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

```
.border{ border-color:rgb(255, 26, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 26, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
228) }
```

# Background

The CSS property to change the background color of an element to YUV 117.4990, 54.4770, 120.5884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 228) }
```

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

```
.background{ background-color: rgb(255, 26,  
228) }
```

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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