

# Converting Colors

YUV(94.1640, 65.9811,  
117.3742)

Have a look what the booklet for  
YUV(94.1640, 65.9811, 117.3742)  
contains.

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# Color

**YUV(94.1640, 65.9811,  
117.3742)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E400E4
RGB	228, 0, 228
RGB Percent	89%, 0%, 89%
CMY	0.1059, 1.0000, 0.1059
CMYK	0.00, 1.00, 0.00, 0.11
HSL	300°, 100%, 45%
HSV	300°, 100%, 89%
XYZ	45.9985, 22.0954, 75.2392
YIQ	94.1640, 62.7000, 119.2440

# Conversions

## Conversions Part 2

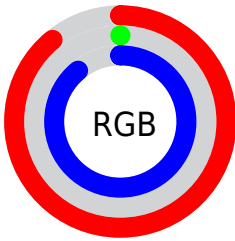
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 0, 228
Decimal	14942436
CIE Lab	54.13, 90.28, -55.91
CIE LCh	54, 106.191, 328.233
Yxy	22.0954, 0.3209, 0.1542
Android (android.graphics.Color)	4293132516 (0xFFE400E4)
YUV	94.1640, 65.9811, 117.3742
Hunter-Lab	47.0058, 92.4149, -61.9978

# Details

The YUV color **94.1640, 65.9811, 117.3742** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **133.8360, -65.9811, -117.3742**, and the grayscale version is **93.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **163.4280, 45.1450, 80.3086**, and **69.5410, 50.5123, 85.4715** is the 20% darker color. If you saturate the color by 10%, you get **94.1640, 65.9811, 117.3742**, and if you desaturate by 10%, it is **107.6650, 59.3252, 105.5338**.

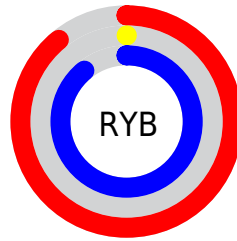
# Distribution



Red (89%)

Green (0%)

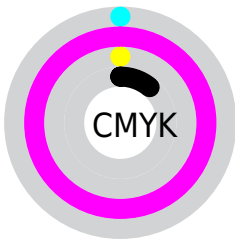
Blue (89%)



Red (89%)

Yellow (0%)

Blue (89%)

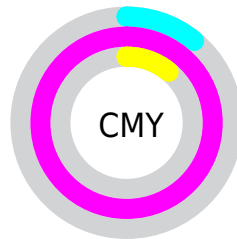


Cyan (0%)

Magenta (100%)

Yellow (0%)

Black (11%)



Cyan (11%)

Magenta (100%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 94.1640, 65.9811, 117.3742 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 94.1640, 65.9811, 117.3742 by changing the saturation by 10% instead.





 94.1640, 65.9811,  
117.3742


 94.1640, 65.9811,  
117.3742


255.0000, 0.0000,  
0.0000


 81.8880, 57.7362,  
101.8302


 163.4280, 45.1450,  
80.3086


 69.5410, 50.5123,  
85.4715


 182.2120, 35.8845,  
63.8351


 57.6780, 42.5567,  
70.4424


 200.4090, 26.9134,  
47.8763

 45.7440, 35.6222,  
54.5985

 218.0190, 18.2316,  
32.4323

 34.5220, 28.8297,  
39.8842

 236.2160, 9.2605,  
16.4736

 22.7020, 22.3319,  
23.9403

254.4130, 0.2894,

 9.9140, 17.2974,

0.5148

5.3374

■ 3.2090, 9.7570,  
-2.8143

■ 0.0000, 0.0000,  
0.0000

■ 94.1640, 65.9811,  
117.3742

■ 107.6650, 59.3252,  
105.5338

■ 121.1660, 52.6692,  
93.6934

■ 134.0800, 46.3026,  
82.3678

■ 147.5810, 39.6466,  
70.5275

■ 161.0820, 32.9906,  
58.6871

■ 174.5830, 26.3346,  
46.8467

■ 188.0840, 19.6786,  
35.0063

■ 200.9980, 13.3120,  
23.6808

■ 214.4990, 6.6560,  
11.8404

# Harmonies

## Analogous

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



114.3040, 69.3631, -34.4696



94.1640, 65.9811, 117.3742



92.0910, 23.1261, 142.8712

# Triad

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



94.1640, 65.9811, 117.3742



121.8130, -60.0538, 35.2440



121.3650, 46.1621, -106.4371

# Complementary

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



94.1640, 65.9811, 117.3742



133.8360, -65.9811, -117.3742

# 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.



109.4750, 5.6818, -96.0096



94.1640, 65.9811, 117.3742



106.6100, -52.5587, -35.6150

# Square

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



94.1640, 65.9811, 117.3742



114.5560, -56.4761, 101.2444



93.3330, -46.0132, -81.8530



123.5770, 64.7915, -108.3770



# Rectangle

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



94.1640, 65.9811, 117.3742



85.3650, -2.6449, 148.7699



93.3330, -46.0132, -81.8530



117.9450, 33.0581, -103.4378

# Sweetspot

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



94.1640, 65.9811, 117.3742



210.3880, 21.9937, 39.1247



25.9920, 99.5899, -22.7950



100.9980, 13.3120, 23.6808



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.



94.1640, 65.9811, 117.3742



105.3150, 73.7947, 131.2737



81.1680, 16.1862, 128.7717



107.9560, 3.4727, 6.1776



73.9270, 51.8010, 92.1490



21.0630, 14.7589, 26.2547



# Inverse Universe

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



94.1640, 65.9811, 117.3742



105.3150, 73.7947, 131.2737



146.8320, -16.1862, -128.7717



107.9560, 3.4727, 6.1776



73.9270, 51.8010, 92.1490



21.0630, 14.7589, 26.2547



# Previews

## White Background



This preview shows how the YUV color 94.1640, 65.9811, 117.3742 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

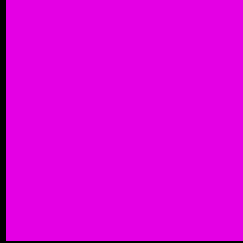
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 94.1640, 65.9811, 117.3742 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

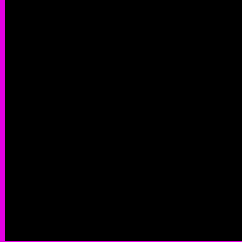
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 94.1640, 65.9811, 117.3742

## Background



This preview shows how black text looks on a background with the YUV color 94.1640, 65.9811, 117.3742.



This preview shows how white text looks on a background with the YUV color 94.1640, 65.9811,



# 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

118.5690, 67.2605, -60.1350

### Deuteranopia

124.6150, 44.0668, -40.8814

### Tritanopia

127.6460, -16.0945, 75.7325

# Trichromacy



## Protanomaly

109.8620, 66.6230, 4.5060

## Deuteranomaly

113.4540, 52.0342, 17.1418

## Tritanomaly

115.2420, 13.6847, 90.9958

# Monochromacy



## Achromatopsia

94.0000, 0.0000, 0.0000

## Achromatomaly

94.2790, 24.0195, 42.7283

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 94.1640, 65.9811, 117.3742 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(228, 0, 228)` looks like.

```
.text, #text, p{  
    color:rgb(228, 0, 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(228, 0, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 0, 228) }
```

## Border

The CSS property to change the border of an element to YUV 94.1640, 65.9811, 117.3742 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(228, 0, 228) }
```

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

```
.border{ border-color:rgb(228, 0, 228) }
```

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

Here you see how a box with a 4 pixel rgb(228, 0, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 0, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 0, 228);  
box-shadow:4px 4px 4px 4px rgb(228, 0,  
228) }
```



# Background

The CSS property to change the background color of an element to YUV 94.1640, 65.9811, 117.3742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 0, 228) }
```

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

```
.background{ background-color: rgb(228, 0,  
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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