

# Converting Colors

YUV(156.3630, 43.6980,  
77.7346)

Have a look what the booklet for  
YUV(156.3630, 43.6980, 77.7346)  
contains.

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# Color

**YUV(156.3630, 43.6980,  
77.7346)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F55EF5
RGB	245, 94, 245
RGB Percent	96%, 37%, 96%
CMY	0.0392, 0.6314, 0.0392
CMYK	0.00, 0.62, 0.00, 0.04
HSL	300°, 88%, 66%
HSV	300°, 62%, 96%
XYZ	58.1403, 34.0105, 89.8865
YIQ	156.3630, 41.5250, 78.9730

# Conversions

## Conversions Part 2

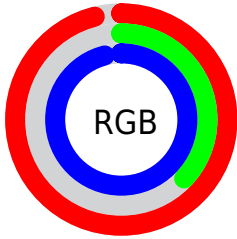
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 94, 245
Decimal	16080629
CIE Lab	64.97, 75.43, -48.01
CIE LCh	65, 89.413, 327.521
Yxy	34.0105, 0.3194, 0.1868
Android (android.graphics.Color)	4294270709 (0xFFFF55EF5)
YUV	156.3630, 43.6980, 77.7346
Hunter-Lab	58.3185, 75.8973, -50.5610

# Details

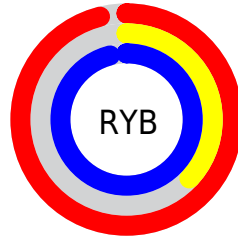
The YUV color **156.3630, 43.6980, 77.7346** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **182.6370, -43.6980, -77.7346**, and the grayscale version is **156.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **195.1260, 29.5179, 52.5095**, and **89.0740, 48.7705, 84.1271** is the 20% darker color. If you saturate the color by 10%, you get **142.2750, 50.6434, 90.0898**, and if you desaturate by 10%, it is **171.0380, 36.4633, 64.8647**.

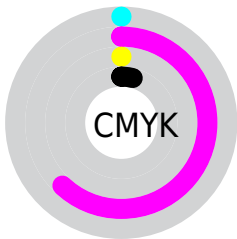
# Distribution



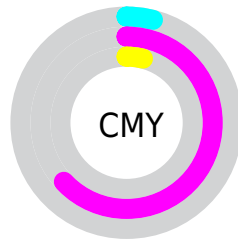
- Red (96%)
- Green (37%)
- Blue (96%)



- Red (96%)
- Yellow (37%)
- Blue (96%)



- Cyan (0%)
- Magenta (62%)
- Yellow (0%)
- Black (4%)




- Cyan (4%)
- Magenta (63%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 156.3630, 43.6980, 77.7346 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 156.3630, 43.6980, 77.7346 by changing the saturation by 10% instead.





 156.3630, 43.6980,  
77.7346


 156.3630, 43.6980,  
77.7346


255.0000, 0.0000,  
0.0000


 125.8900, 44.4242,  
78.1495


 195.1260, 29.5179,  
52.5095

 89.0740, 48.7705,  
84.1271


 212.1490, 21.1255,  
37.5803


 64.9980, 47.3290,  
79.8088

 229.7590, 12.4438,  
22.1364

 53.2490, 39.8102,  
64.6796

 247.3690, 3.7621,  
6.6924

 41.9130, 32.5809,  
50.0653

 30.6910, 25.7883,  
35.3510

 19.8820, 19.2852,

21.1515

■ 4.1040, 15.7247,  
-3.5992

■ 1.3680, 5.2416,  
-1.1997

■ 156.3630, 43.6980,  
77.7346

■ 156.3630, 43.6980,  
77.7346

■ 142.2750, 50.6434,  
90.0898

■ 171.0380, 36.4633,  
64.8647

■ 127.6000, 57.8782,  
102.9598

■ 185.1260, 29.5179,  
52.5095

■ 113.5120, 64.8236,  
115.3150

■ 199.8010, 22.2831,  
39.6395

■ 101.1850, 70.9008,  
126.1258

■ 213.8890, 15.3377,  
27.2843

228.5640, 8.1029,  
14.4144

242.6520, 1.1576,  
2.0592

250.8700, -2.8939,  
-5.1480

# Harmonies

## Analogous

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



150.1310, 51.7004, -15.9009



156.3630, 43.6980, 77.7346



125.9210, 20.7449, 113.2023

# Triad

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



156.3630, 43.6980, 77.7346



147.8280, -72.8792, 42.2468



138.9240, 44.9005, -121.8363

# Complementary

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



156.3630, 43.6980, 77.7346



182.6370, -43.6980, -77.7346

# 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.



128.9890, 9.3724, -113.1234



156.3630, 43.6980, 77.7346



137.4200, -67.7481, -17.0313

# Square

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



156.3630, 43.6980, 77.7346



144.9240, -71.4475, 96.5367



116.3640, -26.3085, -102.0512



138.2520, 57.5568, -121.2470



# Rectangle

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



156.3630, 43.6980, 77.7346



123.4010, -4.1417, 115.4123



116.3640, -26.3085, -102.0512



135.9600, 33.5437, -119.2369

# Sweetspot

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



156.3630, 43.6980, 77.7346



227.9980, 13.3120, 23.6808



111.2140, 65.9565, -15.0967



110.9770, 8.3923, 14.9292



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.



156.3630, 43.6980, 77.7346



144.0570, 54.6949, 97.2970



147.8130, 10.9382, 85.2330



114.9560, 3.4727, 6.1776



76.8180, 53.8267, 95.7526



24.3670, 17.0741, 30.3731



# Inverse Universe

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



156.3630, 43.6980, 77.7346



144.0570, 54.6949, 97.2970



191.3010, -10.5014, -85.3330



114.9560, 3.4727, 6.1776



76.8180, 53.8267, 95.7526



24.3670, 17.0741, 30.3731



# Previews

## White Background



This preview shows how the YUV color 156.3630, 43.6980, 77.7346 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

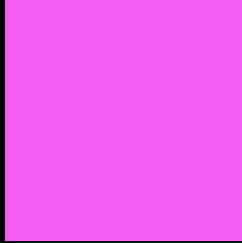
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 156.3630, 43.6980, 77.7346 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

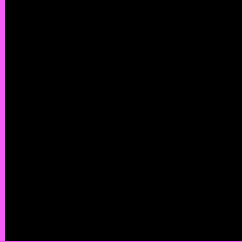
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 156.3630, 43.6980, 77.7346 Background



This preview shows how black text looks on a background with the YUV color 156.3630, 43.6980, 77.7346.



This preview shows how white text looks on a background with the YUV color 156.3630, 43.6980,



# 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

156.3630, 43.6980, 77.7346

### Protanopia

155.0380, 49.2813, -33.3593

### Deuteranopia

156.0250, 38.9347, -28.0859



## Tritanopia

158.7200, -11.6940, 64.2666

# Trichromacy



## Original Color

156.3630, 43.6980, 77.7346



## Protanomaly

155.7210, 46.9725, 7.2607



## Deuteranomaly

156.1360, 40.8520, 10.4047



## Tritanomaly

157.7310, 8.5136, 69.5189

# Monochromacy



## Original Color

156.3630, 43.6980, 77.7346



## Achromatopsia

156.0000, 0.0000, 0.0000



## Achromatomaly

155.7150, 15.9165, 28.3139

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 156.3630, 43.6980, 77.7346 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(245, 94, 245)` looks like.

```
.text, #text, p{  
    color:rgb(245, 94, 245)  
}
```

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(245, 94, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 94, 245) }
```

## Border

The CSS property to change the border of an element to YUV 156.3630, 43.6980, 77.7346 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(245, 94, 245) }
```



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

```
.border{ border-color:rgb(245, 94, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 94, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 94, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 94, 245);  
box-shadow:4px 4px 4px 4px rgb(245, 94,  
245) }
```

# Background

The CSS property to change the background color of an element to YUV 156.3630, 43.6980, 77.7346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 94, 245) }
```

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

```
.background{ background-color: rgb(245, 94,  
245) }
```

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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