

Converting Colors

YUV(163.1370, 36.4145,
80.5639)

Have a look what the booklet for
YUV(163.1370, 36.4145, 80.5639)
contains.

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Color

**YUV(163.1370, 36.4145,
80.5639)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66ED
RGB	255, 102, 237
RGB Percent	100%, 40%, 93%
CMY	0.0000, 0.6000, 0.0706
CMYK	0.00, 0.60, 0.07, 0.00
HSL	307°, 100%, 70%
HSV	307°, 60%, 100%
XYZ	61.2774, 36.8772, 84.0091
YIQ	163.1370, 47.8530, 74.4210

Conversions

Conversions Part 2

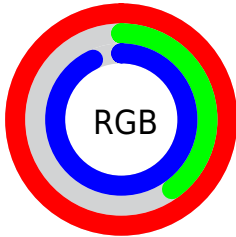
Format	Color
R _Y B	255, 102, 237
Decimal	16738029
CIE Lab	67.18, 73.39, -40.01
CIE LCh	67, 83.586, 331.398
Yxy	36.8772, 0.3364, 0.2024
Android (android.graphics.Color)	4294928109 (0xFFFF66ED)
YUV	163.1370, 36.4145, 80.5639
Hunter-Lab	60.7266, 73.8477, -39.5131

Details

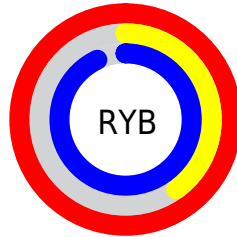
The YUV color **163.1370, 36.4145, 80.5639** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **193.8630, -36.4145, -80.5639**, and the grayscale version is **163.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **199.2350, 27.4921, 48.9059**, and **100.0710, 39.8980, 83.2527** is the 20% darker color. If you saturate the color by 10%, you get **148.1200, 42.3388, 93.7338**, and if you desaturate by 10%, it is **178.7410, 30.2007, 66.8791**.

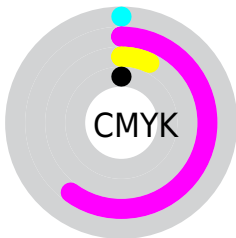
Distribution



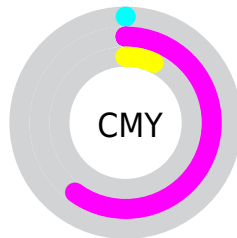
- Red (100%)
- Green (40%)
- Blue (93%)



- Red (100%)
- Yellow (40%)
- Blue (93%)



- Cyan (0%)
- Magenta (60%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the YUV color 163.1370, 36.4145, 80.5639 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 163.1370, 36.4145, 80.5639 by changing the saturation by 10% instead.


 163.1370, 36.4145,
80.5639


 163.1370, 36.4145,
80.5639


255.0000, 0.0000,
0.0000


 132.6640, 37.1406,
80.9787


 199.2350, 27.4921,
48.9059

 100.0710, 39.8980,
83.2527


 216.8450, 18.8104,
33.4619

 67.0760, 42.3605,
86.7563

 233.8680, 10.4181,
18.5328

 55.4410, 35.2786,
71.5272

 251.4780, 1.7363,
3.0888

 43.9200, 28.6334,
56.1982

 32.9970, 21.6935,
42.0986

 22.6010, 15.4797,

28.4139

■ 10.1120, 10.2978,
10.4258

■ 0.2280, 0.8736,
-0.2000

■ 163.1370, 36.4145,
80.5639

■ 163.1370, 36.4145,
80.5639

■ 148.1200, 42.3388,
93.7338

■ 178.7410, 30.2007,
66.8791

■ 132.5160, 48.5526,
107.4185

■ 193.7580, 24.2763,
53.7092

■ 116.9120, 54.7664,
121.1032

■ 209.3620, 18.0625,
40.0245

■ 101.8950, 60.6908,
134.2731

■ 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.



160.8620, 46.4100, 0.9980



163.1370, 36.4145, 80.5639



138.8520, 11.9050, 101.8618

Triad

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



163.1370, 36.4145, 80.5639



152.8010, -75.3309, 35.2545



142.4120, 48.1109, -124.8953

Complementary

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



163.1370, 36.4145, 80.5639



193.8630, -36.4145, -80.5639

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.



134.4490, 15.0616, -117.9118



163.1370, 36.4145, 80.5639



141.2300, -69.6264, -21.2497

Square

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



163.1370, 36.4145, 80.5639



152.5870, -73.7464, 87.1852



122.5080, -17.9984, -107.4395



140.0130, 56.6886, -122.7914

Rectangle

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



163.1370, 36.4145, 80.5639



138.5490, -12.1027, 102.1275



122.5080, -17.9984, -107.4395



140.3770, 37.7751, -123.1106

Sweetspot

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



163.1370, 36.4145, 80.5639



227.4280, 11.1280, 24.1806



124.8240, 64.1768, -4.2306



110.5210, 6.6451, 15.3291



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.



163.1370, 36.4145, 80.5639



144.4840, 43.6384, 96.9225



154.4730, 3.2178, 88.1622



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.



163.1370, 36.4145, 80.5639



144.4840, 43.6384, 96.9225



202.5270, -3.2178, -88.1622



120.1410, 2.8885, 6.8923



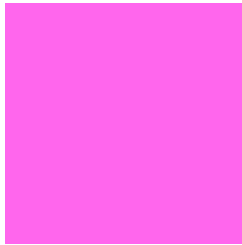
76.3750, 45.6641, 100.5261



25.5200, 15.0266, 33.7470

Previews

White Background



This preview shows how the YUV color 163.1370, 36.4145, 80.5639 looks on a white background.

Color Contrast Check

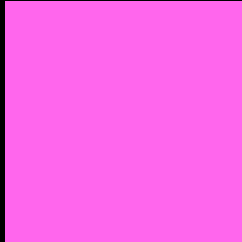
Large Text (above 18pt) WCAG AA × Fail

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 163.1370, 36.4145, 80.5639 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 163.1370, 36.4145, 80.5639

Background



This preview shows how black text looks on a background with the YUV color 163.1370, 36.4145, 80.5639.



This preview shows how white text looks on a background with the YUV color 163.1370, 36.4145,

80.5639.

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

163.1370, 36.4145, 80.5639

Protanopia

161.8490, 45.9234, -29.6856

Deuteranopia

163.7290, 31.1926, -18.1793



Tritanopia

164.4110, -13.0206, 69.7996

Trichromacy



Original Color

163.1370, 36.4145, 80.5639



Protanomaly

162.4780, 42.1623, 10.1048



Deuteranomaly

163.5300, 33.2627, 17.9522



Tritanomaly

163.8410, 5.0084, 73.8074

Monochromacy



Original Color

163.1370, 36.4145, 80.5639



Achromatopsia

163.0000, 0.0000, 0.0000



Achromatomaly

163.0310, 13.2957, 28.9138

CSS Examples

Text

The CSS property to change the color of the text to YUV 163.1370, 36.4145, 80.5639 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, 102, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 237)  
}
```

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, 102, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 237) }
```

Border

The CSS property to change the border of an element to YUV 163.1370, 36.4145, 80.5639 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, 102, 237) }
```


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

```
.border{ border-color:rgb(255, 102, 237) }
```

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

Here you see how a box with a 4 pixel rgb(255, 102, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
237) }
```

Background

The CSS property to change the background color of an element to YUV 163.1370, 36.4145, 80.5639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 237) }
```

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

```
.background{ background-color: rgb(255,  
102, 237) }
```

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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