

# Converting Colors

YUV(160.1050, 34.9512,  
83.2229)

Have a look what the booklet for  
YUV(160.1050, 34.9512, 83.2229)  
contains.

<b>YUV(160.1050, 34.9512, 83.2229)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(160.1050, 34.9512,  
83.2229)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF62E7
RGB	255, 98, 231
RGB Percent	100%, 38%, 91%
CMY	0.0000, 0.6157, 0.0941
CMYK	0.00, 0.62, 0.09, 0.00
HSL	309°, 100%, 69%
HSV	309°, 62%, 100%
XYZ	60.0315, 35.7649, 79.3406
YIQ	160.1050, 50.8790, 74.6470

# Conversions

## Conversions Part 2

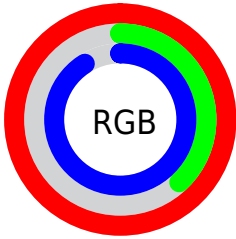
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	255, 98, 231
Decimal	16736999
CIE <sub>Lab</sub>	66.34, 74.08, -38.01
CIE <sub>LCh</sub>	66, 83.261, 332.839
Yxy	35.7649, 0.3428, 0.2042
Android (android.graphics.Color)	4294927079 (0xFFFF62E7)
YUV	160.1050, 34.9512, 83.2229
Hunter-Lab	59.8038, 74.5232, -36.7964

# Details

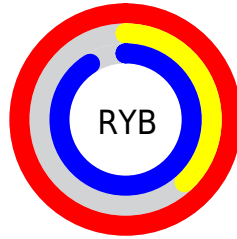
The YUV color **160.1050, 34.9512, 83.2229** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **192.8950, -34.9512, -83.2229**, and the grayscale version is **160.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **197.4740, 28.3603, 50.4503**, and **94.6910, 39.5923, 87.9710** is the 20% darker color. If you saturate the color by 10%, you get **144.9740, 40.4388, 96.4928**, and if you desaturate by 10%, it is **175.2360, 29.4637, 69.9530**.

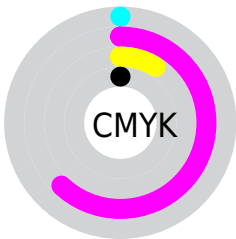
# Distribution



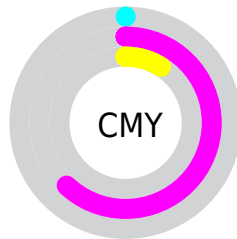
- Red (100%)
- Green (38%)
- Blue (91%)



- Red (100%)
- Yellow (38%)
- Blue (91%)



- Cyan (0%)
- Magenta (62%)
- Yellow (9%)
- Black (0%)




- Cyan (0%)
- Magenta (62%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 160.1050, 34.9512, 83.2229 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 160.1050, 34.9512, 83.2229 by changing the saturation by 10% instead.





 160.1050, 34.9512,  
83.2229


 160.1050, 34.9512,  
83.2229

255.0000, 0.0000,  
0.0000


 129.7460, 36.1142,  
83.5378


 197.4740, 28.3603,  
50.4503


 94.6910, 39.5923,  
87.9710


 214.4970, 19.9680,  
35.5211


 66.5060, 40.1765,  
87.2562

 232.1070, 11.2862,  
20.0772

 54.8710, 33.0946,  
72.0271

 249.7170, 2.6045,  
4.6332

 43.3500, 26.4494,  
56.6981

 32.1280, 19.6569,  
41.9837

 21.7320, 13.4431,

28.2990

■ 9.0580, 8.8454,  
9.5961

■ 0.0000, 0.0000,  
0.0000

■ 160.1050, 34.9512,  
83.2229

■ 160.1050, 34.9512,  
83.2229

■ 144.9740, 40.4388,  
96.4928

■ 175.2360, 29.4637,  
69.9530

■ 129.2560, 46.2158,  
110.2775


■ 190.9540, 23.6867,  
56.1683


■ 114.1250, 51.7034,  
123.5474

■ 206.6720, 17.9097,  
42.3837

■ 100.8690, 56.7596,  
135.1729

■ 221.8030, 12.4221,  
29.1138

 237.4070, 6.2083,  
15.4291

 252.5380, 0.7208,  
2.1592

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.



159.7100, 46.9780, 5.5163



160.1050, 34.9512, 83.2229



136.9940, 9.8630, 103.4913

# Triad

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



160.1050, 34.9512, 83.2229



150.7190, -74.3045, 32.6954



141.3520, 49.1265, -123.9657

# Complementary

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



160.1050, 34.9512, 83.2229



192.8950, -34.9512, -83.2229

# 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.



132.9160, 16.8034, -116.5673



160.1050, 34.9512, 83.2229



138.5500, -68.3052, -25.0384

# Square

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



160.1050, 34.9512, 83.2229



150.4510, -74.1723, 83.7965



121.5620, -16.5461, -106.6099



138.2520, 57.5568, -121.2470



# Rectangle

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



160.1050, 34.9512, 83.2229



137.2780, -14.4341, 103.2422



121.5620, -16.5461, -106.6099



138.7300, 39.0801, -121.6662

# Sweetspot

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



160.1050, 34.9512, 83.2229



227.2000, 10.2544, 24.3806



123.0740, 65.0395, -0.9419



110.4070, 6.2083, 15.4291



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.



160.1050, 34.9512, 83.2229



140.7510, 42.0278, 100.1964



151.2130, 0.8810, 91.0212



120.1410, 2.8885, 6.8923



75.5770, 42.6065, 101.2260



25.2920, 14.1530, 33.9469



# Inverse Universe

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



160.1050, 34.9512, 83.2229



140.7510, 42.0278, 100.1964



201.7870, -0.8810, -91.0212



120.1410, 2.8885, 6.8923



75.5770, 42.6065, 101.2260



25.2920, 14.1530, 33.9469



# Previews

## White Background



This preview shows how the YUV color 160.1050, 34.9512, 83.2229 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

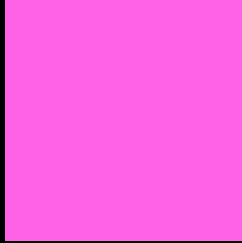
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 160.1050, 34.9512, 83.2229 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

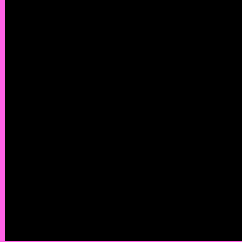
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YUV 160.1050, 34.9512, 83.2229

## Background



This preview shows how black text looks on a background with the YUV color 160.1050, 34.9512, 83.2229.



This preview shows how white text looks on a background with the YUV color 160.1050, 34.9512, 83.2229.



# 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

160.1050, 34.9512, 83.2229

### Protanopia

159.4790, 47.0919, -31.1151

### Deuteranopia

161.2840, 29.4400, -16.0351



## Tritanopia

161.2050, -13.9051, 73.4882

# Trichromacy



## Original Color

160.1050, 34.9512, 83.2229



## Protanomaly

159.8910, 42.4517, 10.6196



## Deuteranomaly

161.0850, 31.5101, 20.0965



## Tritanomaly

161.2220, 3.8346, 76.9813

# Monochromacy



## Original Color

160.1050, 34.9512, 83.2229



## Achromatopsia

160.0000, 0.0000, 0.0000



## Achromatomaly

159.9280, 12.8535, 30.7581

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 160.1050, 34.9512, 83.2229 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, 98, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 231)  
}
```

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, 98, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 231) }
```

## Border

The CSS property to change the border of an element to YUV 160.1050, 34.9512, 83.2229 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, 98, 231) }
```



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

```
.border{ border-color:rgb(255, 98, 231) }
```

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

Here you see how a box with a 4 pixel rgb(255, 98, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 98,  
231) }
```

# Background

The CSS property to change the background color of an element to YUV 160.1050, 34.9512, 83.2229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 231) }
```

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

```
.background{ background-color: rgb(255, 98,  
231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor