

# Converting Colors

YUV(165.9630, 33.5422,  
68.4384)

Have a look what the booklet for  
YUV(165.9630, 33.5422, 68.4384)  
contains.

<b>YUV(165.9630, 33.5422, 68.4384)</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(165.9630, 33.5422,  
68.4384)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F471EA
RGB	244, 113, 234
RGB Percent	96%, 44%, 92%
CMY	0.0431, 0.5569, 0.0824
CMYK	0.00, 0.54, 0.04, 0.04
HSL	305°, 86%, 70%
HSV	305°, 54%, 96%
XYZ	58.0646, 36.9839, 81.9202
YIQ	165.9630, 39.2350, 65.4030

# Conversions

## Conversions Part 2

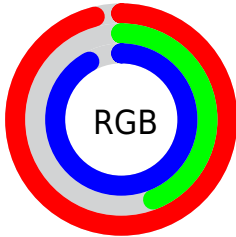
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 113, 234
Decimal	16019946
CIE <sub>Lab</sub>	67.26, 65.36, -38.34
CIE <sub>LCh</sub>	67, 75.773, 329.600
Yxy	36.9839, 0.3281, 0.2090
Android (android.graphics.Color)	4294210026 (0xFFFF471EA)
YUV	165.9630, 33.5422, 68.4384
Hunter-Lab	60.8144, 64.0040, -37.2967

# Details

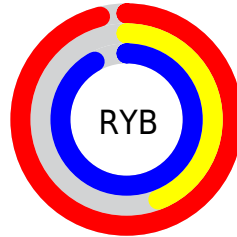
The YUV color **165.9630, 33.5422, 68.4384** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **191.0370, -33.5422, -68.4384**, and the grayscale version is **166.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **205.1050, 24.5982, 43.7579**, and **107.8920, 34.5632, 67.6237** is the 20% darker color. If you saturate the color by 10%, you get **151.6470, 39.6140, 80.9936**, and if you desaturate by 10%, it is **180.2790, 27.4705, 55.8833**.

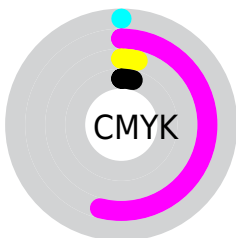
# Distribution



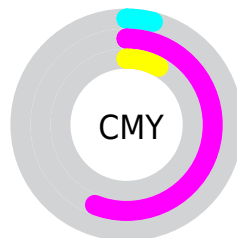
- Red (96%)
- Green (44%)
- Blue (92%)



- Red (96%)
- Yellow (44%)
- Blue (92%)



- Cyan (0%)
- Magenta (54%)
- Yellow (4%)
- Black (4%)



- Cyan (4%)
- Magenta (56%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 165.9630, 33.5422, 68.4384 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 165.9630, 33.5422, 68.4384 by changing the saturation by 10% instead.



165.9630, 33.5422,  
68.4384

165.9630, 33.5422,  
68.4384

255.0000, 0.0000,  
0.0000

137.3650, 33.8371,  
67.2089

205.1050, 24.5982,  
43.7579

107.8920, 34.5632,  
67.6237

222.1280, 16.2059,  
28.8287

73.2500, 38.3308,  
72.5717

239.1510, 7.8136,  
13.8996

52.5220, 35.7317,  
66.1942

41.1860, 28.5023,  
51.5799

30.3770, 21.9991,  
37.3804

20.2800, 15.6380,

24.3104

■ 5.6980, 11.4879,  
2.0189

■ 0.0000, 0.0000,  
0.0000

■ 165.9630, 33.5422,  
68.4384

■ 165.9630, 33.5422,  
68.4384

■ 151.6470, 39.6140,  
80.9936

■ 180.2790, 27.4705,  
55.8833

■ 136.7440, 45.9752,  
94.0635

■ 195.1820, 21.1093,  
42.8134

■ 122.4280, 52.0470,  
106.6186

■ 209.4980, 15.0375,  
30.2583

■ 107.6390, 58.8450,  
119.5886

■ 224.2870, 8.2395,  
17.2883

98.6060, 62.3122,  
127.5105

238.6030, 2.1677,  
4.7332

250.5710, -2.7465,  
-5.7628

250.7990, -1.8729,  
-5.9627

251.0270, -0.9993,  
-6.1627

251.2550, -0.1257,  
-6.3626

# Harmonies

## Analogous

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



162.0140, 45.8421, -3.5203



165.9630, 33.5422, 68.4384



148.8140, 9.4587, 93.1251

# Triad

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



165.9630, 33.5422, 68.4384



152.5240, -75.1943, 38.1285



140.0980, 44.3217, -122.8659

# Complementary

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



165.9630, 33.5422, 68.4384



191.0370, -33.5422, -68.4384

# 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.



132.8190, 13.8932, -116.4823



165.9630, 33.5422, 68.4384



145.6960, -62.9541, -14.6424

# Square

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



165.9630, 33.5422, 68.4384



156.9680, -58.1582, 80.7121



121.7900, -15.6725, -106.8098



139.4260, 56.9780, -122.2766



# Rectangle

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



165.9630, 33.5422, 68.4384



146.5050, -12.0810, 95.1501



121.7900, -15.6725, -106.8098



138.1770, 34.4227, -121.1812

# Sweetspot

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



165.9630, 33.5422, 68.4384



230.5910, 10.5546, 21.4067



130.6250, 55.8939, -7.5641



113.0970, 6.3612, 13.0699



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.



165.9630, 33.5422, 68.4384



157.9510, 41.9292, 85.1120



158.6670, 5.5872, 74.8370



114.8420, 3.0359, 6.2776



75.2220, 47.7116, 97.1523



23.7970, 14.8901, 30.8730



# Inverse Universe

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



165.9630, 33.5422, 68.4384



157.9510, 41.9292, 85.1120



198.3330, -5.5872, -74.8370



114.8420, 3.0359, 6.2776



75.2220, 47.7116, 97.1523



23.7970, 14.8901, 30.8730



# Previews

## White Background



This preview shows how the YUV color 165.9630, 33.5422, 68.4384 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

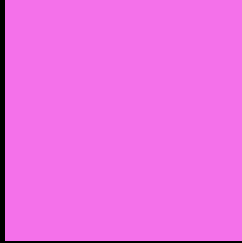
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 165.9630, 33.5422, 68.4384 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

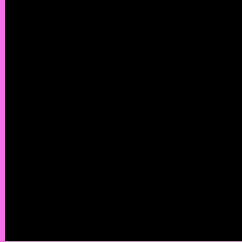
Any Text WCAG AA ✓ Pass

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 165.9630, 33.5422, 68.4384 Background



This preview shows how black text looks on a background with the YUV color 165.9630, 33.5422, 68.4384.



This preview shows how white text looks on a background with the YUV color 165.9630, 33.5422, 68.4384.

68.4384.

# 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

165.9630, 33.5422, 68.4384

### Protanopia

162.1480, 45.7760, -29.0708

### Deuteranopia

164.2130, 30.4610, -16.8498



## Tritanopia

165.7410, -10.2253, 59.8631

# Trichromacy



## Original Color

165.9630, 33.5422, 68.4384



## Protanomaly

163.8150, 41.0102, 6.3012



## Deuteranomaly

164.7530, 31.6738, 14.2486



## Tritanomaly

165.8890, 5.4777, 63.2413

# Monochromacy



## Original Color

165.9630, 33.5422, 68.4384



## Achromatopsia

166.0000, 0.0000, 0.0000



## Achromatomaly

166.0690, 12.2910, 24.4955

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 165.9630, 33.5422, 68.4384 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(244, 113, 234)` looks like.

```
.text, #text, p{  
    color:rgb(244, 113, 234)  
}
```

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(244, 113, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 113, 234) }
```

## Border

The CSS property to change the border of an element to YUV 165.9630, 33.5422, 68.4384 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(244, 113, 234) }
```



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

```
.border{ border-color:rgb(244, 113, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 113, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 113, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 113, 234);  
box-shadow:4px 4px 4px 4px rgb(244, 113,  
234) }
```

# Background

The CSS property to change the background color of an element to YUV 165.9630, 33.5422, 68.4384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 113, 234) }
```

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

```
.background{ background-color: rgb(244,  
113, 234) }
```

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