

# Converting Colors

YUV(42.5930, 104.7167,  
-33.8461)

Have a look what the booklet for  
YUV(42.5930, 104.7167, -33.8461)  
contains.

<b>YUV(42.5930, 104.7167, -33.8461)</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(42.5930, 104.7167,  
-33.8461)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0415FF
RGB	4, 21, 255
RGB Percent	2%, 8%, 100%
CMY	0.9843, 0.9176, 0.0000
CMYK	0.98, 0.92, 0.00, 0.00
HSL	236°, 100%, 51%
HSV	236°, 98%, 100%
XYZ	18.3682, 7.7821, 95.1417
YIQ	42.5930, -85.2460, 69.1700

# Conversions

## Conversions Part 2

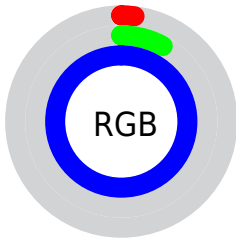
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	4, 20, 255
Decimal	267775
CIE Lab	33.52, 75.61, -105.82
CIE LCh	34, 130.053, 305.546
Yxy	7.7821, 0.1514, 0.0642
Android (android.graphics.Color)	4278457855 (0xFF0415FF)
YUV	42.5930, 104.7167, -33.8461
Hunter-Lab	27.8965, 68.7131, -182.6826

# Details

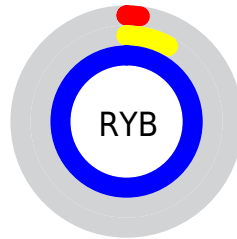
The YUV color **42.5930, 104.7167, -33.8461** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **216.4070, -104.7167, 33.8461**, and the grayscale version is **42.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **112.2090, 70.3960, 7.7097**, and **22.3440, 85.6124, -19.5957** is the 20% darker color. If you saturate the color by 10%, you get **39.0490, 106.4638, -34.2460**, and if you desaturate by 10%, it is **64.1560, 94.0861, -30.8318**.

# Distribution



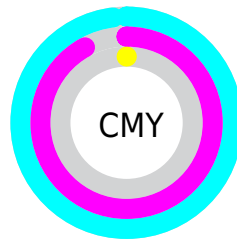
- Red (2%)
- Green (8%)
- Blue (100%)



- Red (2%)
- Yellow (8%)
- Blue (100%)



- Cyan (98%)
- Magenta (92%)
- Yellow (0%)
- Black (0%)



- Cyan (98%)
- Magenta (92%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 42.5930, 104.7167, -33.8461 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 42.5930, 104.7167, -33.8461 by changing the saturation by 10% instead.



■ 42.5930, 104.7167,  
-33.8461

■ 42.5930, 104.7167,  
-33.8461

255.0000, 0.0000,  
0.0000

■ 25.6500, 98.2796,  
-22.4951

■ 112.2090, 70.3960,  
7.7097

■ 22.3440, 85.6124,  
-19.5957

■ 138.8220, 57.2758,  
15.9421

■ 19.1520, 73.3821,  
-16.7963

■ 164.8370, 44.4504,  
22.9450

■ 15.9600, 61.1517,  
-13.9969

■ 190.5530, 31.7724,  
29.3330

■ 22.8610, 44.4385,  
-20.0491

■ 216.8450, 18.8104,  
33.4619

■ 17.0760, 34.9655,  
-14.9757

■ 233.2810, 10.7075,

■ 11.2910, 25.4925,

19.0476

-9.9022

250.8910, 2.0257,  
3.6036

6.4350, 17.0405,  
-5.6435

2.6390, 7.5730,  
-2.3144

42.5930, 104.7167,  
-33.8461

42.5930, 104.7167,  
-33.8461

39.0490, 106.4638,  
-34.2460

64.1560, 94.0861,  
-30.8318

86.0180, 83.3081,  
-27.2028

107.2930, 72.8196,  
-23.0590

128.8560, 62.1890,  
-20.0447

■ 150.7180, 51.4110,  
-16.4157

■ 172.2810, 40.7805,  
-13.4014

■ 193.2570, 30.4393,  
-9.8724

■ 215.1190, 19.6613,  
-6.2434

■ 236.9810, 8.8834,  
-2.6143

# Harmonies

## Analogous

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



85.4220, 83.6020, -74.9151



42.5930, 104.7167, -33.8461



79.7350, 43.0216, 108.1034

# Triad

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



42.5930, 104.7167, -33.8461



57.2320, -28.2154, 90.1275



73.8670, 11.4046, -64.7814

# Complementary

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



42.5930, 104.7167, -33.8461



216.4070, -104.7167, 33.8461

# 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.



61.6350, -30.3861, -54.0539



42.5930, 104.7167, -33.8461



72.6410, -35.8120, 6.4538

# Square

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



42.5930, 104.7167, -33.8461



64.2850, -31.6925, 132.1771



58.7000, -28.9391, -51.4799



88.0710, 55.6740, -77.2383



# Rectangle

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



42.5930, 104.7167, -33.8461



81.0670, 9.3340, 133.2452



58.7000, -28.9391, -51.4799



69.0620, -4.4676, -60.5674

# Sweetspot

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



42.5930, 104.7167, -33.8461



190.5990, 31.7497, -10.1723



177.5570, 27.8264, -152.2095



89.0050, 19.2245, -6.1434



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.



42.5930, 104.7167, -33.8461



39.0490, 106.4638, -34.2460



64.0090, 94.1586, 39.4571



117.0690, 5.3890, -1.8145



29.4050, 79.6663, -25.7882



9.6440, 26.7975, -8.4578



# Inverse Universe

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



80.9870, -29.5736, 152.6094



78.1830, -30.1632, 155.0685



194.9910, -94.1586, -39.4571



119.0010, -1.4795, 7.8921



58.5910, -22.4764, 116.1227

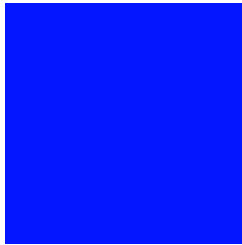


19.5920, -7.6869, 38.9458



# Previews

## White Background



This preview shows how the YUV color 42.5930, 104.7167, -33.8461 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

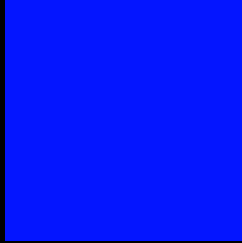
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 42.5930, 104.7167, -33.8461 looks on a black 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

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

# YUV 42.5930, 104.7167, -33.8461 Background



This preview shows how black text looks on a background with the YUV color 42.5930, 104.7167, -33.8461.



This preview shows how white text looks on a background with the YUV color 42.5930, 104.7167, -33.8461.

-33.8461.

# 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

42.5930, 104.7167, -33.8461

### Protanopia

62.7380, 47.4572, -55.0212

### Deuteranopia

62.9370, 35.5271, -55.1957



## Tritanopia

61.4430, 14.5716, -53.8855

# Trichromacy



## Original Color

42.5930, 104.7167, -33.8461

## Protanomaly

55.2870, 68.3855, -47.6097

## Deuteranomaly

55.3380, 60.9654, -47.6544

## Tritanomaly

54.4940, 47.5775, -46.9142

# Monochromacy



## Original Color

42.5930, 104.7167, -33.8461

## Achromatopsia

43.0000, 0.0000, 0.0000

## Achromatomaly

42.8960, 38.0123, -12.1868

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 42.5930, 104.7167, -33.8461 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(4, 21, 255)` looks like.

```
.text, #text, p{  
    color:rgb(4, 21, 255)  
}
```

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(4, 21, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 21, 255) }
```

## Border

The CSS property to change the border of an element to YUV 42.5930, 104.7167, -33.8461 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(4, 21, 255) }
```



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

```
.border{ border-color:rgb(4, 21, 255) }
```

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

Here you see how a box with a 4 pixel rgb(4, 21, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 21, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 21, 255);  
box-shadow:4px 4px 4px 4px rgb(4, 21, 255)  
}
```

# Background

The CSS property to change the background color of an element to YUV 42.5930, 104.7167, -33.8461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 21, 255) }
```

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

```
.background{ background-color: rgb(4, 21,  
255) }
```

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