

# Converting Colors

YUV(34.0450, 102.5218,  
-29.8575)

Have a look what the booklet for  
YUV(34.0450, 102.5218, -29.8575)  
contains.

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# Color

**YUV(34.0450, 102.5218,  
-29.8575)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	000BF2
RGB	0, 11, 242
RGB Percent	0%, 4%, 95%
CMY	1.0000, 0.9569, 0.0510
CMYK	1.00, 0.95, 0.00, 0.05
HSL	237°, 100%, 47%
HSV	237°, 100%, 95%
XYZ	16.1467, 6.6501, 84.4370
YIQ	34.0450, -80.7070, 69.5090

# Conversions

## Conversions Part 2

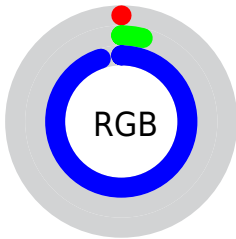
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 11, 242
Decimal	3058
CIELab	31.00, 74.35, -102.72
CIElCh	31, 126.800, 305.896
Yxy	6.6501, 0.1506, 0.0620
Android (android.graphics.Color)	4278193138 (0xFF000BF2)
YUV	34.0450, 102.5218, -29.8575
Hunter-Lab	25.7879, 66.6362, -176.0811

# Details

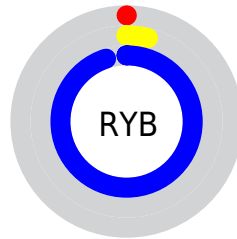
The YUV color **34.0450, 102.5218, -29.8575** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **207.9550, -102.5218, 29.8575**, and the grayscale version is **33.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **106.9040, 73.0113, 8.8542**, and **20.9760, 80.3708, -18.3960** is the 20% darker color. If you saturate the color by 10%, you get **34.0450, 102.5218, -29.8575**, and if you desaturate by 10%, it is **54.7220, 92.3281, -26.9432**.

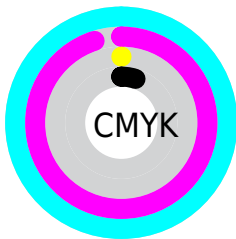
# Distribution



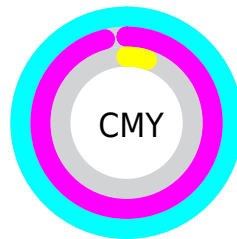
- Red (0%)
- Green (4%)
- Blue (95%)



- Red (0%)
- Yellow (4%)
- Blue (95%)



- Cyan (100%)
- Magenta (95%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (96%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 34.0450, 102.5218, -29.8575 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 34.0450, 102.5218, -29.8575 by changing the saturation by 10% instead.



■ 34.0450, 102.5218,  
-29.8575

■ 34.0450, 102.5218,  
-29.8575

■ 255.0000, 0.0000,  
0.0000

■ 24.2820, 93.0380,  
-21.2953

■ 106.9040, 73.0113,  
8.8542

■ 20.9760, 80.3708,  
-18.3960

■ 133.5170, 59.8911,  
17.0866

■ 17.7840, 68.1405,  
-15.5966

■ 159.8200, 46.9237,  
22.9599

■ 14.7060, 56.3469,  
-12.8972

■ 185.5360, 34.2458,  
29.3479

■ 21.0200, 39.9231,  
-18.4345

■ 211.8390, 21.2784,  
35.2212


■ 14.6480, 30.7395,  
-12.8463


■ 229.7590, 12.4438,


■ 8.9770, 21.7033,


22.1364


-7.8728


 246.7820, 4.0515,  
7.2072


 4.7080, 12.9620,  
-4.1289


 0.2280, 0.8736,  
-0.2000

 34.0450, 102.5218,  
-29.8575

 54.7220, 92.3281,  
-26.9432

 75.3990, 82.1343,  
-24.0289

 96.3750, 71.7931,  
-20.4999

 117.0520, 61.5994,  
-17.5856

■ 138.3160, 51.1162,  
-15.1861

■ 158.9930, 40.9225,  
-12.2719

■ 179.6700, 30.7287,  
-9.3576

■ 200.6460, 20.3875,  
-5.8285

■ 221.3230, 10.1938,  
-2.9143

# Harmonies

## Analogous

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



81.9000, 85.3383, -71.8263



34.0450, 102.5218, -29.8575



75.6050, 40.1277, 102.9554

# Triad

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



34.0450, 102.5218, -29.8575



51.3070, -25.2944, 86.5538



69.1880, 11.2463, -60.6779

# Complementary

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



34.0450, 102.5218, -29.8575



207.9550, -102.5218, 29.8575

# 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.



56.9390, -28.0709, -49.9355



34.0450, 102.5218, -29.8575



66.7270, -32.8964, 4.6244

# Square

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



34.0450, 102.5218, -29.8575



60.6970, -29.9236, 124.7997



54.5910, -26.9134, -47.8763



82.9360, 53.7686, -72.7349



# Rectangle

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



34.0450, 102.5218, -29.8575



76.5670, 7.6085, 126.6677



54.5910, -26.9134, -47.8763



64.4970, -4.1890, -56.5639

# Sweetspot

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



34.0450, 102.5218, -29.8575



189.4250, 32.3285, -9.1427



168.2740, 30.4309, -147.5763



88.4180, 19.5139, -5.6286



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.



34.0450, 102.5218, -29.8575



36.1140, 107.9108, -31.6720



60.1790, 89.6378, 42.8160



109.3680, 5.2416, -1.1997



25.6720, 78.0557, -22.5143



8.1450, 23.5925, -7.1432



# Inverse Universe

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



73.6120, -30.8677, 147.6763



77.6130, -32.3472, 155.5684



181.8210, -89.6378, -42.8160



111.5880, -1.7689, 7.3773



55.9280, -23.6285, 112.3191

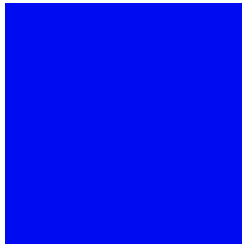


17.0860, -6.9444, 34.1276



# Previews

## White Background



This preview shows how the YUV color 34.0450, 102.5218, -29.8575 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

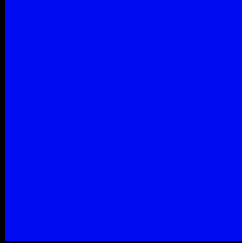
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 34.0450, 102.5218, -29.8575 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 34.0450, 102.5218, -29.8575

## Background



This preview shows how black text looks on a background with the YUV color 34.0450, 102.5218, -29.8575.



This preview shows how white text looks on a background with the YUV color 34.0450, 102.5218, -29.8575.



# 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



### Protanopia

58.6630, 44.5361, -51.4475

### Deuteranopia

58.9760, 33.0428, -51.7220

### Tritanopia

57.8240, 13.3978, -50.7116

# Trichromacy



## Protanomaly

49.6250, 65.7539, -43.5211

## Deuteranomaly

49.6760, 58.3337, -43.5659

## Tritanomaly

49.0600, 45.8194, -43.0256

# Monochromacy



## Achromatopsia

34.0000, 0.0000, 0.0000

## Achromatomaly

34.3800, 37.2807, -10.8573

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 34.0450, 102.5218, -29.8575 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(0, 11, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 11, 242)  
}
```

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(0, 11, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 11, 242) }
```

## Border

The CSS property to change the border of an element to YUV 34.0450, 102.5218, -29.8575 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(0, 11, 242) }
```

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

```
.border{ border-color:rgb(0, 11, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 11, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 11, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 11, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 11, 242)  
}
```



# Background

The CSS property to change the background color of an element to YUV 34.0450, 102.5218, -29.8575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 11, 242) }
```

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

```
.background{ background-color: rgb(0, 11,  
242) }
```

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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