

# Converting Colors

YUV(34.9910, 101.0694,  
-30.6871)

Have a look what the booklet for  
YUV(34.9910, 101.0694, -30.6871)  
contains.

<b>YUV(34.9910, 101.0694, -30.6871)</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(34.9910, 101.0694,  
-30.6871)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	000DF0
RGB	0, 13, 240
RGB Percent	0%, 5%, 94%
CMY	1.0000, 0.9490, 0.0588
CMYK	1.00, 0.95, 0.00, 0.06
HSL	237°, 100%, 47%
HSV	237°, 100%, 94%
XYZ	15.8721, 6.5791, 82.8714
YIQ	34.9910, -80.6150, 67.8410

# Conversions

## Conversions Part 2

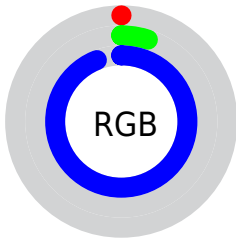
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	0, 12, 240
Decimal	3568
CIE Lab	30.83, 73.49, -101.87
CIE LCh	31, 125.608, 305.809
Yxy	6.5791, 0.1507, 0.0625
Android (android.graphics.Color)	4278193648 (0xFF000DF0)
YUV	34.9910, 101.0694, -30.6871
Hunter-Lab	25.6498, 65.5687, -173.6041

# Details

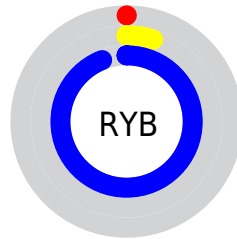
The YUV color **34.9910, 101.0694, -30.6871** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **205.0090, -101.0694, 30.6871**, and the grayscale version is **34.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **107.4910, 72.7219, 8.3394**, and **20.7480, 79.4972, -18.1960** is the 20% darker color. If you saturate the color by 10%, you get **34.9910, 101.0694, -30.6871**, and if you desaturate by 10%, it is **55.6680, 90.8757, -27.7728**.

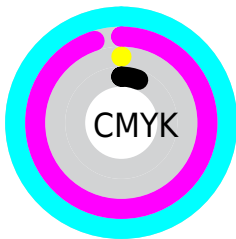
# Distribution



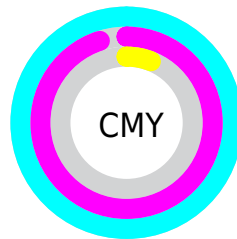
- Red (0%)
- Green (5%)
- Blue (94%)



- Red (0%)
- Yellow (5%)
- Blue (94%)



- Cyan (100%)
- Magenta (95%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (95%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 34.9910, 101.0694, -30.6871 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 34.9910, 101.0694, -30.6871 by changing the saturation by 10% instead.



■ 34.9910, 101.0694,  
-30.6871

■ 34.9910, 101.0694,  
-30.6871

255.0000, 0.0000,  
0.0000

■ 24.0540, 92.1644,  
-21.0954

■ 107.4910, 72.7219,  
8.3394

■ 20.7480, 79.4972,  
-18.1960

■ 133.8050, 59.7491,  
15.9570

■ 17.5560, 67.2669,  
-15.3966

■ 159.5210, 47.0711,  
22.3451

■ 15.0650, 55.1840,  
-13.2120

■ 185.2370, 34.3932,  
28.7332

■ 20.9060, 39.4863,  
-18.3346

■ 211.5400, 21.4258,  
34.6064


■ 13.9470, 30.5921,  
-12.2315


■ 229.7590, 12.4438,


■ 8.2760, 21.5559,


22.1364


-7.2581


 246.7820, 4.0515,  
7.2072


 4.5940, 12.5252,  
-4.0289


 0.0000, 0.0000,  
0.0000

 34.9910, 101.0694,  
-30.6871

 55.6680, 90.8757,  
-27.7728

 75.7580, 80.9713,  
-24.3438

 96.4350, 70.7775,  
-21.4295

 117.1120, 60.5838,  
-18.5152

■ 137.2020, 50.6794,  
-15.0862

■ 157.8790, 40.4857,  
-12.1719

■ 178.5560, 30.2919,  
-9.2576

■ 199.2330, 20.0981,  
-6.3433

■ 219.3230, 10.1938,  
-2.9143

# Harmonies

## Analogous

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



81.3130, 85.6277, -71.3115



34.9910, 101.0694, -30.6871



74.8930, 39.9858, 101.8258

# Triad

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



34.9910, 101.0694, -30.6871



51.5950, -25.4363, 85.4242



69.0740, 10.8095, -60.5779

# Complementary

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



34.9910, 101.0694, -30.6871



205.0090, -101.0694, 30.6871

# 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



34.9910, 101.0694, -30.6871



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.



34.9910, 101.0694, -30.6871



60.3980, -29.7762, 124.1850



54.0040, -26.6240, -47.3615



82.1210, 53.1843, -72.0201



# Rectangle

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



34.9910, 101.0694, -30.6871



76.2680, 7.7559, 126.0530



54.0040, -26.6240, -47.3615



64.4970, -4.1890, -56.5639

# Sweetspot

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



34.9910, 101.0694, -30.6871



190.0120, 32.0391, -9.6575



166.4160, 28.3889, -145.9468



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.



34.9910, 101.0694, -30.6871



37.2880, 107.3320, -32.7016



58.4560, 89.5012, 39.9421



109.9550, 4.9522, -1.7145



26.8460, 77.4769, -23.5439



8.1450, 23.5925, -7.1432



# Inverse Universe

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



73.2420, -29.6993, 146.2468



77.8410, -31.4736, 155.3684



181.5440, -89.5012, -39.9421



111.7020, -1.3321, 7.2773



56.1560, -22.7549, 112.1192

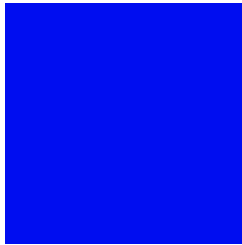


17.0860, -6.9444, 34.1276



# Previews

## White Background



This preview shows how the YUV color 34.9910, 101.0694, -30.6871 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

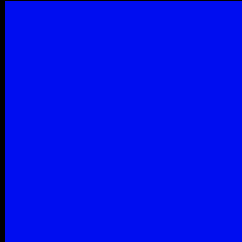
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 34.9910, 101.0694, -30.6871 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 34.9910, 101.0694, -30.6871 Background



This preview shows how black text looks on a background with the YUV color 34.9910, 101.0694, -30.6871.



This preview shows how white text looks on a background with the YUV color 34.9910, 101.0694, -30.6871.

-30.6871.

# 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

34.9910, 101.0694, -30.6871

### Protanopia

58.5490, 44.0993, -51.3475

### Deuteranopia

58.2750, 32.8954, -51.1072



## Tritanopia

57.2370, 13.6872, -50.1968

# Trichromacy



## Original Color

34.9910, 101.0694, -30.6871

## Protanomaly

49.9840, 64.5909, -43.8360

## Deuteranomaly

49.5620, 57.8969, -43.4659

## Tritanomaly

48.9460, 45.3826, -42.9256

# Monochromacy



## Original Color

34.9910, 101.0694, -30.6871

## Achromatopsia

35.0000, 0.0000, 0.0000

## Achromatomaly

34.9670, 36.9913, -11.3721

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 34.9910, 101.0694, -30.6871 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, 13, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 13, 240)  
}
```

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, 13, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 13, 240) }
```

## Border

The CSS property to change the border of an element to YUV 34.9910, 101.0694, -30.6871 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, 13, 240) }
```



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

```
.border{ border-color:rgb(0, 13, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 13, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 13, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 13, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 13, 240)  
}
```

# Background

The CSS property to change the background color of an element to YUV 34.9910, 101.0694, -30.6871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 13, 240) }
```

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

```
.background{ background-color: rgb(0, 13,  
240) }
```

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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