

# Converting Colors

YUV(74.1090, 78.3333,  
-64.9936)

Have a look what the booklet for  
YUV(74.1090, 78.3333, -64.9936)  
contains.

<b>YUV(74.1090, 78.3333, -64.9936)</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> .....	30

# Color

**YUV(74.1090, 78.3333,  
-64.9936)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0051E9
RGB	0, 81, 233
RGB Percent	0%, 32%, 91%
CMY	1.0000, 0.6824, 0.0863
CMYK	1.00, 0.65, 0.00, 0.09
HSL	219°, 100%, 46%
HSV	219°, 100%, 91%
XYZ	17.6504, 11.7681, 78.4320
YIQ	74.1090, -97.0680, 30.1000

# Conversions

## Conversions Part 2

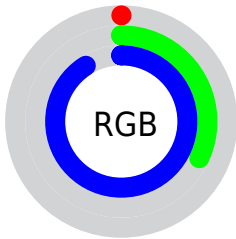
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 60, 233
Decimal	20969
CIELab	40.85, 40.24, -81.28
CIELCh	41, 90.691, 296.340
Yxy	11.7681, 0.1637, 0.1091
Android (android.graphics.Color)	4278211049 (0xFF0051E9)
YUV	74.1090, 78.3333, -64.9936
Hunter-Lab	34.3046, 31.8088, -111.5439

# Details

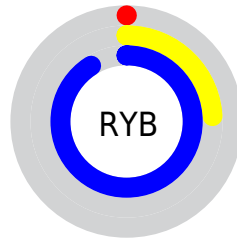
The YUV color **74.1090, 78.3333, -64.9936** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **158.8910, -78.3333, 64.9936**, and the grayscale version is **73.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **137.9710, 57.6953, -25.4076**, and **42.3700, 65.8796, -37.1585** is the 20% darker color. If you saturate the color by 10%, you get **74.1090, 78.3333, -64.9936**, and if you desaturate by 10%, it is **89.7910, 70.6020, -58.5757**.

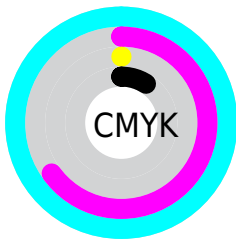
# Distribution



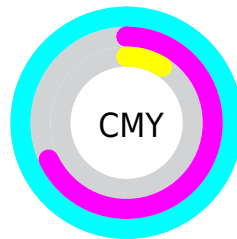
- Red (0%)
- Green (32%)
- Blue (91%)



- Red (0%)
- Yellow (24%)
- Blue (91%)



- Cyan (100%)
- Magenta (65%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (68%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 74.1090, 78.3333, -64.9936 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 74.1090, 78.3333, -64.9936 by changing the saturation by 10% instead.



■ 74.1090, 78.3333,  
-64.9936

■ 74.1090, 78.3333,  
-64.9936

■ 255.0000, 0.0000,  
0.0000

■ 57.3020, 72.3221,  
-50.2539

■ 137.9710, 57.6953,  
-25.4076

■ 42.3700, 65.8796,  
-37.1585

■ 163.3990, 45.1593,  
-17.8899

■ 28.6120, 58.8583,  
-25.0927

■ 188.8160, 32.6287,  
-12.1166

■ 13.9080, 53.2894,  
-12.1973

■ 214.2330, 20.0981,  
-6.3433

■ 19.1620, 37.8811,  
-16.8051

■ 240.8240, 6.9888,  
-1.5996

■ 12.7900, 28.6975,  
-11.2168

■ 7.7060, 19.3719,

-6.7582

■ 3.5510, 11.0674,  
-3.1142

■ 0.0000, 0.0000,  
0.0000

■ 74.1090, 78.3333,  
-64.9936

■ 89.7910, 70.6020,  
-58.5757

■ 105.7720, 62.7234,  
-51.5430

■ 122.0410, 54.7028,  
-45.6400

■ 137.7230, 46.9716,  
-39.2221

■ 153.7040, 39.0929,  
-32.1894

■ 169.3860, 31.3617,  
-25.7715

■ 185.0680, 23.6305,  
-19.3536

■ 201.3370, 15.6099,  
-13.4505

■ 217.3180, 7.7312,  
-6.4179

# Harmonies

## Analogous

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



93.5430, 76.6403, -82.0372



74.1090, 78.3333, -64.9936



71.6490, 53.4170, 87.1308

# Triad

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



74.1090, 78.3333, -64.9936



82.2840, -40.5660, 84.8199



81.8910, 1.5327, -71.8184

# Complementary

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



74.1090, 78.3333, -64.9936



158.8910, -78.3333, 64.9936

# 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.



69.8530, -34.4375, -61.2611



74.1090, 78.3333, -64.9936



91.0910, -44.9079, 30.6152

# Square

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



74.1090, 78.3333, -64.9936



67.9050, -15.2362, 127.2483



79.8080, -39.3453, -27.0186



91.7290, 34.1506, -80.4463



# Rectangle

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



74.1090, 78.3333, -64.9936



76.8700, 28.1651, 113.2470



79.8080, -39.3453, -27.0186



78.2260, -9.9714, -68.6042

# Sweetspot

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



74.1090, 78.3333, -64.9936



202.9260, 25.6725, -20.9831



153.9850, -1.4716, -135.0448



96.6360, 15.4625, -12.8358



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.



74.1090, 78.3333, -64.9936



81.3130, 85.6277, -71.3115



37.0270, 96.6147, -1.7777



109.6020, 3.6472, -3.1590



57.6150, 60.8288, -50.5284



17.3090, 18.0887, -15.1800



# Inverse Universe

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



78.9010, 1.0348, 135.1448



86.3910, 1.2862, 147.8701



195.9730, -96.6147, 1.7777



109.7450, 0.1257, 6.3626



61.3010, 0.8376, 104.9760



18.3120, 0.3392, 31.2984



# Previews

## White Background



This preview shows how the YUV color 74.1090, 78.3333, -64.9936 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

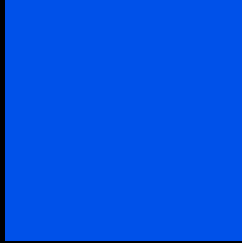
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 74.1090, 78.3333, -64.9936 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

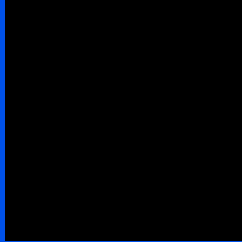
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 74.1090, 78.3333, -64.9936

## Background



This preview shows how black text looks on a background with the YUV color 74.1090, 78.3333, -64.9936.



This preview shows how white text looks on a background with the YUV color 74.1090, 78.3333, -64.9936.



# 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

76.2340, 58.5516, -66.8572

### Deuteranopia

77.1510, 44.2956, -67.6614

### Tritanopia

74.9900, 18.2459, -65.7662

# Trichromacy



## Protanomaly

75.4820, 65.8244, -66.1977

## Deuteranomaly

75.7780, 56.8044, -66.4573

## Tritanomaly

74.7230, 40.0696, -65.5321

# Monochromacy



## Achromatopsia

74.0000, 0.0000, 0.0000

## Achromatomaly

74.3000, 28.4461, -23.9421

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 74.1090, 78.3333, -64.9936 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, 81, 233)` looks like.

```
.text, #text, p{  
    color:rgb(0, 81, 233)  
}
```

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, 81, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 81, 233) }
```

## Border

The CSS property to change the border of an element to YUV 74.1090, 78.3333, -64.9936 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, 81, 233) }
```

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

```
.border{ border-color:rgb(0, 81, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 81, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 81, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 81, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 81, 233)  
}
```



# Background

The CSS property to change the background color of an element to YUV 74.1090, 78.3333, -64.9936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 81, 233) }
```

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

```
.background{ background-color: rgb(0, 81,  
233) }
```

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