

# Converting Colors

YUV(74.8830, -11.7743,  
136.9146)

Have a look what the booklet for  
YUV(74.8830, -11.7743, 136.9146)  
contains.

<b>YUV(74.8830, -11.7743, 136.9146)</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(74.8830, -11.7743,  
136.9146)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E70033
RGB	231, 0, 51
RGB Percent	91%, 0%, 20%
CMY	0.0941, 1.0000, 0.8000
CMYK	0.00, 1.00, 0.78, 0.09
HSL	347°, 100%, 45%
HSV	347°, 100%, 91%
XYZ	33.5525, 17.2279, 4.6889
YIQ	74.8830, 121.3050, 64.8330

# Conversions

## Conversions Part 2

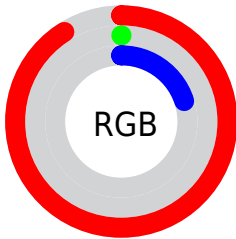
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	231, 0, 51
Decimal	15138867
CIE Lab	48.55, 75.16, 41.18
CIE LCh	49, 85.701, 28.721
Yxy	17.2279, 0.6049, 0.3106
Android (android.graphics.Color)	4293328947 (0xFFE70033)
YUV	74.8830, -11.7743, 136.9146
Hunter-Lab	41.5066, 71.6571, 22.3568

# Details

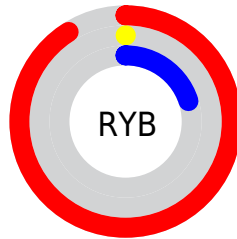
The YUV color **74.8830, -11.7743, 136.9146** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **156.1170, 11.7743, -136.9146**, and the grayscale version is **75.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **141.4210, -21.4066, 99.6088**, and **50.5460, -20.9752, 101.2532** is the 20% darker color. If you saturate the color by 10%, you get **74.8830, -11.7743, 136.9146**, and if you desaturate by 10%, it is **90.4360, -10.5679, 123.2746**.

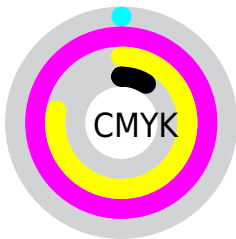
# Distribution



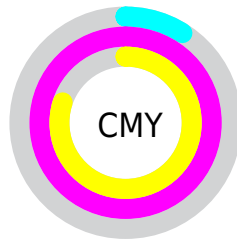
- Red (91%)
- Green (0%)
- Blue (20%)



- Red (91%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (9%)




- Cyan (9%)
- Magenta (100%)
- Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 74.8830, -11.7743, 136.9146 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 74.8830, -11.7743, 136.9146 by changing the saturation by 10% instead.





 74.8830, -11.7743,  
136.9146


 74.8830, -11.7743,  
136.9146


255.0000, 0.0000,  
0.0000


 62.6220, -16.0826,  
118.7265


 141.4210,  
-21.4066, 99.6088


 50.5460, -20.9752,  
101.2532


 162.4680,  
-19.4577, 81.1506


 40.0660, -19.7525,  
82.3801


 183.0420,  
-16.7827, 63.1072

 30.4270, -14.0145,  
61.8925

 203.6160,  
-14.1077, 45.0638

 21.9840, -8.8661,  
43.8640

 224.4180,  
-10.5591, 26.8204

 11.7750, -5.3121,  
23.8763

 245.2200, -7.0105,

 0.0000, 0.0000,

8.5771

0.0000

■ 74.8830, -11.7743,  
136.9146

■ 90.4360, -10.5679,  
123.2746

■ 105.9890, -9.3616,  
109.6346

■ 121.5420, -8.1552,  
95.9947

■ 137.0950, -6.9488,  
82.3547

■ 153.2350, -6.0319,  
68.1999

■ 168.7880, -4.8255,  
54.5599

■ 184.3410, -3.6191,  
40.9199

■ 199.8940, -2.4127,  
27.2800

■ 215.4470, -1.2064,  
13.6400

# Harmonies

## Analogous

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



83.8740, 18.7961, 131.6605



74.8830, -11.7743, 136.9146



104.6890, -51.6117, 80.9567

# Triad

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



74.8830, -11.7743, 136.9146



85.3720, -28.2844, -74.8712



103.6190, 74.6308, -90.8739

# Complementary

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



74.8830, -11.7743, 136.9146



156.1170, 11.7743, -136.9146

# 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.



110.1270, 64.0274, -96.5814



74.8830, -11.7743, 136.9146



97.0680, 6.3755, -85.1286

# Square

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



74.8830, -11.7743, 136.9146



97.5280, -48.0813, -25.0191



106.0910, 38.4091, -93.0418



111.1810, 65.9728, -20.3297



# Rectangle

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



74.8830, -11.7743, 136.9146



108.6110, -53.5452, 47.6992



106.0910, 38.4091, -93.0418



107.1410, 72.8945, -93.9627

# Sweetspot

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



74.8830, -11.7743, 136.9146



203.5480, -4.2142, 45.1234



79.2570, 74.8093, 85.7206



96.8940, -2.4127, 27.2800



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.



74.8830, -11.7743, 136.9146



82.6290, -13.1281, 151.1694



105.4630, -51.9933, 110.0959



106.9300, -0.4585, 7.0774



57.9670, -9.3507, 106.1459



16.5030, -2.7130, 30.2539



# Inverse Universe

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



74.8830, -11.7743, 136.9146



82.6290, -13.1281, 151.1694



125.5370, 51.9933, -110.0959



106.9300, -0.4585, 7.0774



57.9670, -9.3507, 106.1459



16.5030, -2.7130, 30.2539



# Previews

## White Background



This preview shows how the YUV color 74.8830, -11.7743, 136.9146 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 74.8830, -11.7743, 136.9146 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 74.8830, -11.7743, 136.9146

## Background



This preview shows how black text looks on a background with the YUV color 74.8830, -11.7743, 136.9146.



This preview shows how white text looks on a background with the YUV color 74.8830, -11.7743,



# 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

74.8830, -11.7743, 136.9146

### Protanopia

115.5440, -18.5092, 10.0469

### Deuteranopia

113.2140, -38.0665, 29.6303



## Tritanopia

82.1230, -36.0496, 129.6881

# Trichromacy



## Original Color

74.8830, -11.7743, 136.9146

## Protanomaly

100.5250, -16.0348, 56.5446

## Deuteranomaly

99.5730, -28.8765, 68.7805

## Tritanomaly

79.1370, -27.1825, 132.3069

# Monochromacy



## Original Color

74.8830, -11.7743, 136.9146

## Achromatopsia

75.0000, 0.0000, 0.0000

## Achromatomaly

75.1680, -4.5198, 49.8417

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 74.8830, -11.7743, 136.9146 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(231, 0, 51)` looks like.

```
.text, #text, p{  
    color:rgb(231, 0, 51)  
}
```

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(231, 0, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 0, 51) }
```

## Border

The CSS property to change the border of an element to YUV 74.8830, -11.7743, 136.9146 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(231, 0, 51) }
```



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

```
.border{ border-color:rgb(231, 0, 51) }
```

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

Here you see how a box with a 4 pixel rgb(231, 0, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 0, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 0, 51);  
box-shadow:4px 4px 4px 4px rgb(231, 0, 51)  
}
```

# Background

The CSS property to change the background color of an element to YUV 74.8830, -11.7743, 136.9146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 0, 51) }
```

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

```
.background{ background-color: rgb(231, 0,  
51) }
```

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**