

# Converting Colors

YUV(84.7370, -21.0693,  
37.9417)

Have a look what the booklet for  
YUV(84.7370, -21.0693, 37.9417)  
contains.

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# Color

**YUV(84.7370, -21.0693,  
37.9417)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	80472A
RGB	128, 71, 42
RGB Percent	50%, 28%, 16%
CMY	0.4980, 0.7216, 0.8353
CMYK	0.00, 0.45, 0.67, 0.50
HSL	20°, 51%, 33%
HSV	20°, 67%, 50%
XYZ	11.5732, 9.2628, 3.3684
YIQ	84.7370, 43.2810, 3.0650

# Conversions

## Conversions Part 2

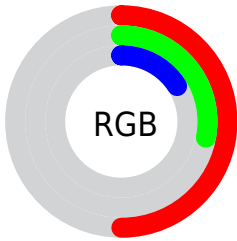
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 86, 42
Decimal	8406826
CIE <sub>Lab</sub>	36.49, 21.59, 27.71
CIE <sub>LCh</sub>	36, 35.128, 52.071
Yxy	9.2628, 0.4781, 0.3827
Android (android.graphics.Color)	4286596906 (0xFF80472A)
YUV	84.7370, -21.0693, 37.9417
Hunter-Lab	30.4349, 14.6157, 14.7425

# Details

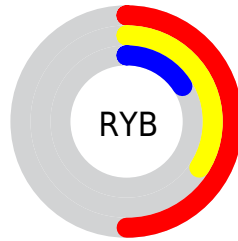
The YUV color **84.7370, -21.0693, 37.9417** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **85.2630, 21.0693, -37.9417**, and the grayscale version is **85.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **135.4880, -23.4116, 42.5450**, and **37.6870, -18.5797, 32.7235** is the 20% darker color. If you saturate the color by 10%, you get **78.5590, -24.4326, 43.3598**, and if you desaturate by 10%, it is **90.9150, -17.7061, 32.5235**.

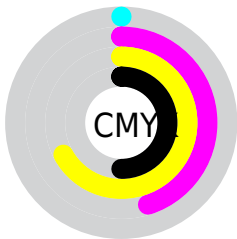
# Distribution



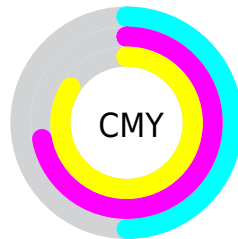
- Red (50%)
- Green (28%)
- Blue (16%)



- Red (50%)
- Yellow (34%)
- Blue (16%)



- Cyan (0%)
- Magenta (45%)
- Yellow (67%)
- Black (50%)



- Cyan (50%)
- Magenta (72%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 84.7370, -21.0693, 37.9417 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 84.7370, -21.0693, 37.9417 by changing the saturation by 10% instead.



84.7370, -21.0693,  
37.9417

84.7370, -21.0693,  
37.9417

255.0000, 0.0000,  
0.0000

60.6550, -20.0429,  
35.3826

135.4880,  
-23.4116, 42.5450

37.6870, -18.5797,  
32.7235

162.2710,  
-24.2906, 44.4893

16.7000, -8.2331,  
27.4501

190.0540,  
-25.1696, 46.4336

4.7840, -2.3585,  
9.8364

212.4550,  
-23.3953, 37.3120

0.0000, 0.0000,  
0.0000

231.9690,  
-19.7047, 20.1982

251.0100,

-15.2879, 3.4992

254.3160, -2.6208,  
0.5999

84.7370, -21.0693,  
37.9417

84.7370, -21.0693,  
37.9417

78.5590, -24.4326,  
43.3598

90.9150, -17.7061,  
32.5235

71.7940, -27.5064,  
49.2927

97.6800, -14.6322,  
26.5906

65.7300, -30.4329,  
54.6108

103.7440,  
-11.7058, 21.2725

63.5130, -31.3119,  
56.5551

110.5090, -8.6319,  
15.3396

116.6870, -5.2687,  
9.9215

■ 123.4520, -2.1948,  
3.9886

■ 129.6300, 1.1684,  
-1.4295

■ 136.2810, 3.8055,  
-7.2624

■ 142.4590, 7.1687,  
-12.6805

# Harmonies

## Analogous

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



85.1800, -9.4557, 46.3231



84.7370, -21.0693, 37.9417



83.5040, -27.8565, 21.4830

# Triad

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



84.7370, -21.0693, 37.9417



66.8910, 4.9837, -58.6634



85.4050, 25.9293, -10.0022

# Complementary

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



84.7370, -21.0693, 37.9417



85.2630, 21.0693, -37.9417

# 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.



69.6050, 35.6907, -61.0436



84.7370, -21.0693, 37.9417



70.7840, 17.3615, -62.0776

# Square

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



84.7370, -21.0693, 37.9417



76.1050, -12.8698, -25.5251



71.7590, 28.7128, -62.9326



88.6710, 15.9382, 21.3365



# Rectangle

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



84.7370, -21.0693, 37.9417



81.9430, -27.0869, 7.9430



71.7590, 28.7128, -62.9326



82.7130, 28.7355, -23.4273

# Sweetspot

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



84.7370, -21.0693, 37.9417



149.3240, -8.0477, 14.6249



74.2120, 12.2205, 47.1721



74.0890, -4.9739, 8.6919



212.0000, 0.0000, 0.0000



84.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7370, -21.0693, 37.9417



98.3670, -33.2119, 59.3141



109.9780, -33.5132, 15.8053



60.8540, -1.9000, 2.7590



63.5130, -31.3119, 56.5551



0.0000, 0.0000, 0.0000



# Inverse Universe

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



85.2630, 21.0693, -37.9417



98.6330, 33.2119, -59.3141



60.0220, 33.5132, -15.8053



60.7330, 1.6106, -3.2738



64.4870, 31.3119, -56.5551



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 84.7370, -21.0693, 37.9417 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 84.7370, -21.0693, 37.9417 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 84.7370, -21.0693, 37.9417

## Background



This preview shows how black text looks on a background with the YUV color 84.7370, -21.0693, 37.9417.



This preview shows how white text looks on a background with the YUV color 84.7370, -21.0693,



# 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

84.7370, -21.0693, 37.9417

### Protanopia

84.2450, -18.3618, 9.4321

### Deuteranopia

84.5730, -22.4675, 19.6685



## Tritanopia

86.4070, -7.1027, 38.2311

# Trichromacy



## Original Color

84.7370, -21.0693, 37.9417

## Protanomaly

84.6700, -19.5573, 19.5834

## Deuteranomaly

84.7310, -22.0524, 26.5459

## Tritanomaly

85.4410, -12.0494, 38.2012

# Monochromacy



## Original Color

84.7370, -21.0693, 37.9417

## Achromatopsia

85.0000, 0.0000, 0.0000

## Achromatomaly

85.0250, -7.9003, 14.0101

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 84.7370, -21.0693, 37.9417 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(128, 71, 42)` looks like.

```
.text, #text, p{  
    color:rgb(128, 71, 42)  
}
```

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(128, 71, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 71, 42) }
```

## Border

The CSS property to change the border of an element to YUV 84.7370, -21.0693, 37.9417 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(128, 71, 42) }
```



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

```
.border{ border-color:rgb(128, 71, 42) }
```

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

Here you see how a box with a 4 pixel rgb(128, 71, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 71, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 71, 42);  
box-shadow:4px 4px 4px 4px rgb(128, 71,  
42) }
```

# Background

The CSS property to change the background color of an element to YUV 84.7370, -21.0693, 37.9417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 71, 42) }
```

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

```
.background{ background-color: rgb(128, 71,  
42) }
```

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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