

# Converting Colors

YUV(84.2430, -21.8118,  
42.7599)

Have a look what the booklet for  
YUV(84.2430, -21.8118, 42.7599)  
contains.

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# Color

**YUV(84.2430, -21.8118,  
42.7599)**

# Conversions

## Conversions Part 1

Format	Color
Hex	854428
RGB	133, 68, 40
RGB Percent	52%, 27%, 16%
CMY	0.4784, 0.7333, 0.8431
CMYK	0.00, 0.49, 0.70, 0.48
HSL	18°, 54%, 34%
HSV	18°, 70%, 52%
XYZ	12.1230, 9.2740, 3.1586
YIQ	84.2430, 47.7280, 5.0720

# Conversions

## Conversions Part 2

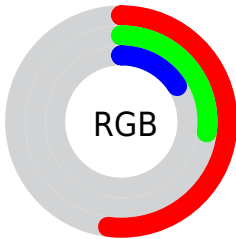
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	133, 80, 40
Decimal	8733736
CIE Lab	36.51, 25.37, 29.08
CIE LCh	37, 38.585, 48.899
Yxy	9.2740, 0.4937, 0.3777
Android (android.graphics.Color)	4286923816 (0xFF854428)
YUV	84.2430, -21.8118, 42.7599
Hunter-Lab	30.4532, 17.7651, 15.1677

# Details

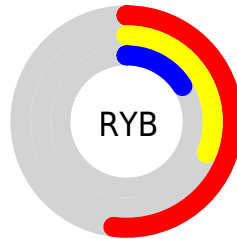
The YUV color **84.2430, -21.8118, 42.7599** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **88.7570, 21.8118, -42.7599**, and the grayscale version is **84.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **135.2930, -24.3014, 47.9780**, and **36.5350, -18.0118, 37.2418** is the 20% darker color. If you saturate the color by 10%, you get **77.4780, -24.8857, 48.6928**, and if you desaturate by 10%, it is **91.0080, -18.7379, 36.8270**.

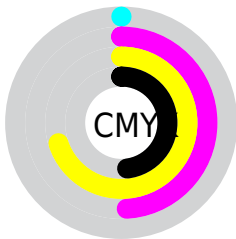
# Distribution



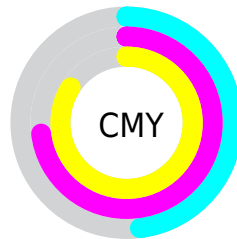
- Red (52%)
- Green (27%)
- Blue (16%)



- Red (52%)
- Yellow (31%)
- Blue (16%)



- Cyan (0%)
- Magenta (49%)
- Yellow (70%)
- Black (48%)



- Cyan (48%)
- Magenta (73%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 84.2430, -21.8118, 42.7599 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 84.2430, -21.8118, 42.7599 by changing the saturation by 10% instead.



84.2430, -21.8118,  
42.7599

84.2430, -21.8118,  
42.7599

255.0000, 0.0000,  
0.0000

59.8620, -20.6380,  
39.5860

135.2930,  
-24.3014, 47.9780

36.5350, -18.0118,  
37.2418

162.0760,  
-25.1805, 49.9223

15.5480, -7.6652,  
31.9684

189.7450,  
-26.4963, 51.9666

6.5780, -3.2430,  
13.5251

210.4660,  
-23.4007, 39.0563

0.0000, 0.0000,  
0.0000

230.5670,  
-19.9995, 21.4277

250.1950,

-15.8721, 4.2140

254.0880, -3.4944,  
0.7998

84.2430, -21.8118,  
42.7599

84.2430, -21.8118,  
42.7599

77.4780, -24.8857,  
48.6928

91.0080, -18.7379,  
36.8270

70.0120, -28.1069,  
55.2405

98.4740, -15.5167,  
30.2793

63.2470, -31.1808,  
61.1734

105.2390,  
-12.4428, 24.3464

112.0040, -9.3690,  
18.4135

118.8830, -5.8583,  
12.3806

■ 126.2350, -3.0739,  
5.9329

■ 133.0000, 0.0000,  
0.0000

■ 139.7650, 3.0739,  
-5.9329

■ 147.2310, 6.2951,  
-12.4806

# Harmonies

## Analogous

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



84.2560, -8.0142, 50.6415



84.2430, -21.8118, 42.7599



82.8420, -30.4881, 25.5716

# Triad

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



84.2430, -21.8118, 42.7599



67.0220, 2.9472, -58.7783



84.3980, 29.8768, -16.1350

# Complementary

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



84.2430, -21.8118, 42.7599



88.7570, 21.8118, -42.7599

# 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.



71.3490, 37.2959, -62.5731



84.2430, -21.8118, 42.7599



71.2570, 16.6353, -62.4924

# Square

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



84.2430, -21.8118, 42.7599



75.5950, -16.0693, -25.9548



73.1610, 29.0076, -64.1622



88.4690, 18.9958, 20.6367



# Rectangle

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



84.2430, -21.8118, 42.7599



81.3410, -30.7341, 11.1019



73.1610, 29.0076, -64.1622



79.4990, 33.2780, -33.7636

# Sweetspot

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



84.2430, -21.8118, 42.7599



154.2210, -8.4900, 16.4692



75.2170, 14.6830, 50.6757



75.6870, -5.2687, 9.9215



214.0000, 0.0000, 0.0000



87.0000, 0.0000, 0.0000



# Same Dimension

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



84.2430, -21.8118, 42.7599



97.1830, -34.1072, 66.4915



111.2450, -35.1238, 19.0791



62.9680, -1.4632, 2.6591



61.7630, -30.4492, 59.8438



1.4840, -0.7316, 1.3295



# Inverse Universe

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



88.7570, 21.8118, -42.7599



104.4040, 33.8178, -67.0063



61.7550, 35.1238, -19.0791



63.0320, 1.4632, -2.6591



68.2370, 30.4492, -59.8438



1.5160, 0.7316, -1.3295



# Previews

## White Background



This preview shows how the YUV color 84.2430, -21.8118, 42.7599 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 84.2430, -21.8118, 42.7599 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 84.2430, -21.8118, 42.7599

## Background



This preview shows how black text looks on a background with the YUV color 84.2430, -21.8118, 42.7599.



This preview shows how white text looks on a background with the YUV color 84.2430, -21.8118,



# 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

84.2430, -21.8118, 42.7599

### Protanopia

84.7180, -19.0880, 9.0173

### Deuteranopia

84.3450, -23.3411, 19.8684



## Tritanopia

86.3860, -8.5713, 42.6345

# Trichromacy



## Original Color

84.2430, -21.8118, 42.7599

## Protanomaly

84.5670, -19.9995, 21.4277

## Deuteranomaly

84.2150, -22.7840, 27.8754

## Tritanomaly

85.4200, -13.5181, 42.6047

# Monochromacy



## Original Color

84.2430, -21.8118, 42.7599

## Achromatopsia

84.0000, 0.0000, 0.0000

## Achromatomaly

84.0360, -7.9057, 15.7544

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 84.2430, -21.8118, 42.7599 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(133, 68, 40)` looks like.

```
.text, #text, p{  
    color:rgb(133, 68, 40)  
}
```

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(133, 68, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 68, 40) }
```

## Border

The CSS property to change the border of an element to YUV 84.2430, -21.8118, 42.7599 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(133, 68, 40) }
```



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

```
.border{ border-color:rgb(133, 68, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 68, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 68, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 68, 40);  
box-shadow:4px 4px 4px 4px rgb(133, 68,  
40) }
```

# Background

The CSS property to change the background color of an element to YUV 84.2430, -21.8118, 42.7599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 68, 40) }
```

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

```
.background{ background-color: rgb(133, 68,  
40) }
```

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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