

# Converting Colors

YUV(83.4770, -13.5462, 4.8437)

Have a look what the booklet for  
YUV(83.4770, -13.5462, 4.8437)  
contains.

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# Color

**YUV(83.4770, -13.5462,  
4.8437)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	595638
RGB	89, 86, 56
RGB Percent	35%, 34%, 22%
CMY	0.6510, 0.6627, 0.7804
CMYK	0.00, 0.03, 0.37, 0.65
HSL	55°, 23%, 28%
HSV	55°, 37%, 35%
XYZ	8.1614, 9.0649, 5.0609
YIQ	83.4770, 11.4180, -8.6940

# Conversions

## Conversions Part 2

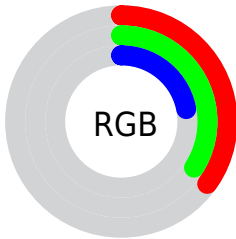
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	59, 89, 56
Decimal	5854776
CIE Lab	36.11, -4.02, 17.93
CIE LCh	36, 18.379, 102.639
Yxy	9.0649, 0.3662, 0.4067
Android (android.graphics.Color)	4284044856 (0xFF595638)
YUV	83.4770, -13.5462, 4.8437
Hunter-Lab	30.1081, -4.3029, 11.1094

# Details

The YUV color **83.4770, -13.5462, 4.8437** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **61.5230, 13.5462, -4.8437**, and the grayscale version is **84.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **133.4340, -15.0040, 5.7584**, and **38.4060, -12.5252, 4.0289** is the 20% darker color. If you saturate the color by 10%, you get **81.8640, -17.1880, 6.2583**, and if you desaturate by 10%, it is **85.0900, -9.9044, 3.4291**.

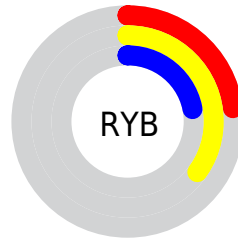
# Distribution



Red (35%)

Green (34%)

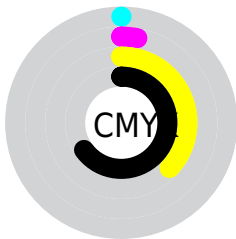
Blue (22%)



Red (23%)

Yellow (35%)

Blue (22%)

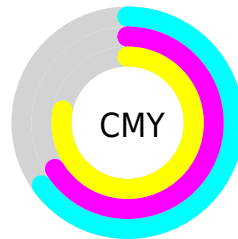


Cyan (0%)

Magenta (3%)

Yellow (37%)

Black (65%)



Cyan (65%)

Magenta (66%)

Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 83.4770, -13.5462, 4.8437 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 83.4770, -13.5462, 4.8437 by changing the saturation by 10% instead.



83.4770, -13.5462,  
4.8437

83.4770, -13.5462,  
4.8437

255.0000, 0.0000,  
0.0000

60.2920, -12.9620,  
4.1289

133.4340,  
-15.0040, 5.7584

38.4060, -12.5252,  
4.0289

159.3200,  
-15.4408, 5.8584

18.6060, -9.1728,  
2.0995

186.3200,  
-15.4408, 5.8584

0.0000, 0.0000,  
0.0000

214.3910,  
-16.4618, 6.6731

242.3910,  
-16.4618, 6.6731

252.9480, -7.8624,

1.7996

■ 83.4770, -13.5462,  
4.8437

■ 83.4770, -13.5462,  
4.8437

■ 81.8640, -17.1880,  
6.2583

■ 85.0900, -9.9044,  
3.4291

■ 80.2510, -20.8297,  
7.6729

■ 86.7030, -6.2626,  
2.0145

■ 79.2250, -24.7609,  
8.5727

■ 87.7290, -2.3314,  
1.1147

■ 77.6120, -28.4027,  
9.9873

■ 89.3420, 1.3104,  
-0.2999

■ 76.1130, -31.6077,  
11.3019

■ 90.9550, 4.9522,  
-1.7145

■ 74.5000, -35.2495,  
12.7165

■ 92.4540, 8.1572,  
-3.0292

■ 74.1580, -36.5599,  
13.0164

■ 94.0670, 11.7990,  
-4.4438

■ 95.0930, 15.7302,  
-5.3436

■ 96.7060, 19.3719,  
-6.7582

# Harmonies

## Analogous

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



84.8420, -13.7261, 15.9246



83.4770, -13.5462, 4.8437



81.8390, -9.2876, -7.7518

# Triad

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



83.4770, -13.5462, 4.8437



77.2220, 13.2016, -34.3977



87.3320, 3.2873, 19.0028

# Complementary

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



83.4770, -13.5462, 4.8437



61.5230, 13.5462, -4.8437

# 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.



86.9760, 9.8718, 7.0370



83.4770, -13.5462, 4.8437



80.9720, 15.7898, -24.5314

# Square

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



83.4770, -13.5462, 4.8437



77.2240, 6.7916, -31.7684



84.6150, 13.9938, -8.4324



86.5300, -3.7123, 24.0912



# Rectangle

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



83.4770, -13.5462, 4.8437



80.3370, -4.6031, -16.9585



84.6150, 13.9938, -8.4324



87.2930, 5.7716, 15.5290

# Sweetspot

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



83.4770, -13.5462, 4.8437



112.9310, -5.3890, 1.8145



66.2090, -3.5540, 19.9877



57.5010, -3.2050, 1.3146



186.0000, 0.0000, 0.0000



59.0000, 0.0000, 0.0000



# Same Dimension

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



83.4770, -13.5462, 4.8437



106.2510, -20.8297, 7.6729



81.3510, -12.4980, -4.6928



42.5440, -1.7472, 0.3999



88.9320, -43.8435, 15.8456



195.2960, -96.2809, 34.8204



# Inverse Universe

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



61.5230, 13.5462, -4.8437



72.7490, 20.8297, -7.6729



63.6490, 12.4980, 4.6928



39.4560, 1.7472, -0.3999



18.0680, 43.8435, -15.8456



39.1170, 96.5703, -34.3056



# Previews

## White Background



This preview shows how the YUV color 83.4770, -13.5462, 4.8437 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

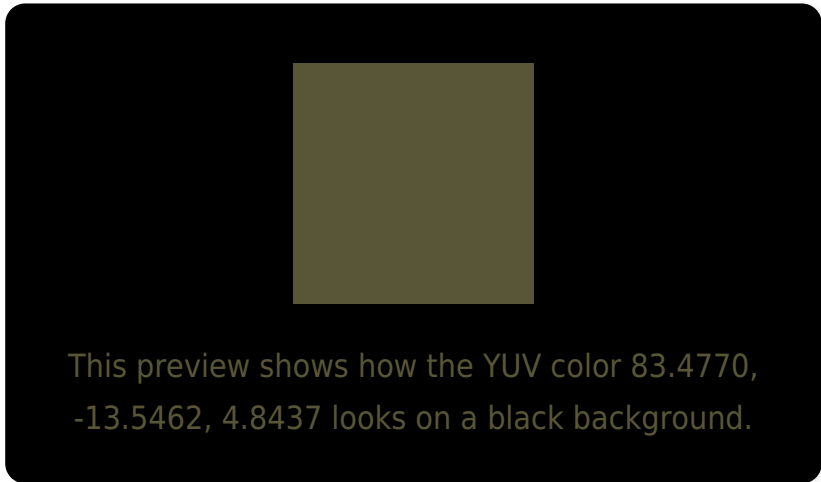
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## 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

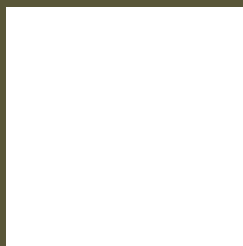
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YUV 83.4770, -13.5462, 4.8437**

## **Background**



This preview shows how black text looks on a background with the YUV color 83.4770, -13.5462, 4.8437.



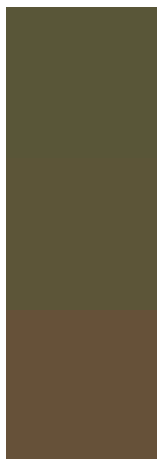
This preview shows how white text looks on a background with the YUV color 83.4770, -13.5462,

4.8437.

# 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

83.4770, -13.5462, 4.8437

### Protanopia

83.7870, -13.6990, 7.2028

### Deuteranopia

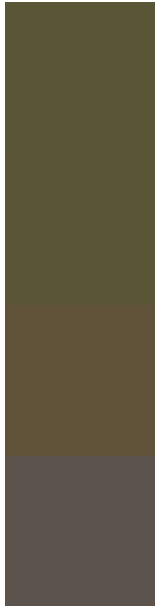
84.5430, -13.5787, 15.3098



## Tritanopia

85.9730, 0.9993, 6.1627

# Trichromacy



## Original Color

83.4770, -13.5462, 4.8437

## Protanomaly

83.4880, -13.5516, 6.5880

## Deuteranomaly

84.2220, -13.4204, 11.2063

## Tritanomaly

84.8930, -4.3842, 6.2328

# Monochromacy



## Original Color

83.4770, -13.5462, 4.8437

## Achromatopsia

83.0000, 0.0000, 0.0000

## Achromatomaly

83.0450, -4.9522, 1.7145

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 83.4770, -13.5462, 4.8437 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(89, 86, 56)` looks like.

```
.text, #text, p{  
    color:rgb(89, 86, 56)  
}
```

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(89, 86, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 86, 56) }
```

## Border

The CSS property to change the border of an element to YUV 83.4770, -13.5462, 4.8437 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(89, 86, 56) }
```



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

```
.border{ border-color:rgb(89, 86, 56) }
```

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

Here you see how a box with a 4 pixel rgb(89, 86, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 86, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 86, 56);  
box-shadow:4px 4px 4px 4px rgb(89, 86, 56)  
}
```

# Background

The CSS property to change the background color of an element to YUV 83.4770, -13.5462, 4.8437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 86, 56) }
```

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

```
.background{ background-color: rgb(89, 86,  
56) }
```

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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