

# Converting Colors

YUV(86.8500, -15.7020,  
43.1046)

Have a look what the booklet for  
YUV(86.8500, -15.7020, 43.1046)  
contains.

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# Color

**YUV(86.8500, -15.7020,  
43.1046)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	884437
RGB	136, 68, 55
RGB Percent	53%, 27%, 22%
CMY	0.4667, 0.7333, 0.7843
CMYK	0.00, 0.50, 0.60, 0.47
HSL	10°, 42%, 37%
HSV	10°, 60%, 53%
XYZ	12.9101, 9.6443, 4.7955
YIQ	86.8500, 44.7010, 10.3730

# Conversions

## Conversions Part 2

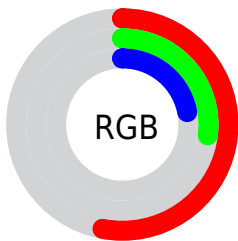
<b>Format</b>	<b>Color</b>
<b>RYB</b>	136, 70, 55
Decimal	8930359
CIELab	37.20, 27.73, 21.09
CIElCh	37, 34.834, 37.257
Yxy	9.6443, 0.4720, 0.3526
Android (android.graphics.Color)	4287120439 (0xFF884437)
YUV	86.8500, -15.7020, 43.1046
Hunter-Lab	31.0553, 19.8578, 12.5832

# Details

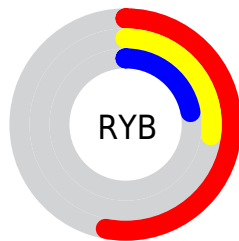
The YUV color **86.8500, -15.7020, 43.1046** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **104.1500, 15.7021, -43.1045**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **138.6010, -18.0443, 47.7079**, and **38.2130, -12.9230, 38.4012** is the 20% darker color. If you saturate the color by 10%, you get **78.7970, -18.6339, 50.1670**, and if you desaturate by 10%, it is **94.9030, -12.7702, 36.0421**.

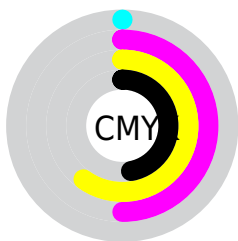
# Distribution



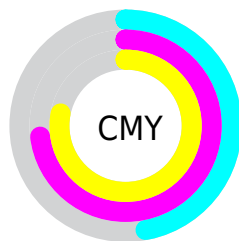
- Red (53%)
- Green (27%)
- Blue (22%)



- Red (53%)
- Yellow (27%)
- Blue (22%)



- Cyan (0%)
- Magenta (50%)
- Yellow (60%)
- Black (47%)



- Cyan (47%)
- Magenta (73%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 86.8500, -15.7020, 43.1046 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 86.8500, -15.7020, 43.1046 by changing the saturation by 10% instead.



86.8500, -15.7020,  
43.1046

86.8500, -15.7020,  
43.1046

255.0000, 0.0000,  
0.0000

62.1810, -14.3862,  
41.0603

138.6010,  
-18.0443, 47.7079

38.2130, -12.9230,  
38.4012

165.3840,  
-18.9233, 49.6522

16.7440, -8.2548,  
34.4275

193.1670,  
-19.8023, 51.5965

8.7850, -3.8380,  
17.7286

212.9910,  
-16.2646, 36.8419

0.0000, 0.0000,  
0.0000

232.6190,  
-12.1372, 19.6281

252.8340, -8.2992,

1.8996

■ 86.8500, -15.7020,  
43.1046

■ 86.8500, -15.7020,  
43.1046

■ 78.7970, -18.6339,  
50.1670

■ 94.9030, -12.7702,  
36.0421

■ 70.2710, -20.8396,  
57.6443

■ 103.4290,  
-10.5645, 28.5648

■ 62.2180, -23.7715,  
64.7068

■ 111.4820, -7.6326,  
21.5023

■ 53.6920, -25.9772,  
72.1841

■ 120.0080, -5.4269,  
14.0250

■ 53.5780, -26.4140,  
72.2841

■ 128.0610, -2.4951,  
6.9625

■ 136.7010, 0.1474,  
-0.6148

■ 144.6400, 2.6425,  
-7.5773

■ 152.6930, 5.5744,  
-14.6398

■ 161.2190, 7.7800,  
-22.1171

# Harmonies

## Analogous

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



87.8900, -2.9038, 44.8235



86.8500, -15.7020, 43.1046



85.9550, -25.1208, 30.7345

# Triad

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



86.8500, -15.7020, 43.1046



72.6880, -3.7902, -44.4534



82.3100, 29.9202, -30.0899

# Complementary

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



86.8500, -15.7020, 43.1046



104.1500, 15.7021, -43.1045

# 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.



72.1980, 32.9334, -63.3176



86.8500, -15.7020, 43.1046



70.5900, 11.5411, -61.9074

# Square

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



86.8500, -15.7020, 43.1046



81.0590, -19.7491, -12.3297



72.4940, 23.9135, -63.5772



89.5490, 20.9283, 7.4115



# Rectangle

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



86.8500, -15.7020, 43.1046



84.8950, -27.5562, 18.5091



72.4940, 23.9135, -63.5772



74.2040, 33.9164, -51.9219

# Sweetspot

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



86.8500, -15.7020, 43.1046



156.5030, -6.1640, 17.0989



87.0850, 18.1991, 42.8985



77.4420, -3.6689, 10.1364



217.0000, 0.0000, 0.0000



89.0000, 0.0000, 0.0000



# Same Dimension

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



86.8500, -15.7020, 43.1046



100.1150, -24.2137, 66.5511



110.3300, -27.2777, 22.5126



64.6800, -1.3212, 3.7886



52.0940, -25.6823, 70.9546



2.0820, -1.0264, 2.5591



# Inverse Universe

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



104.1500, 15.7021, -43.1045



126.8850, 24.2137, -66.5511



80.6700, 27.2777, -22.5126



66.3200, 1.3212, -3.7886



80.3190, 25.9717, -70.4398



2.9180, 1.0264, -2.5591



# Previews

## White Background



This preview shows how the YUV color 86.8500, -15.7020, 43.1046 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

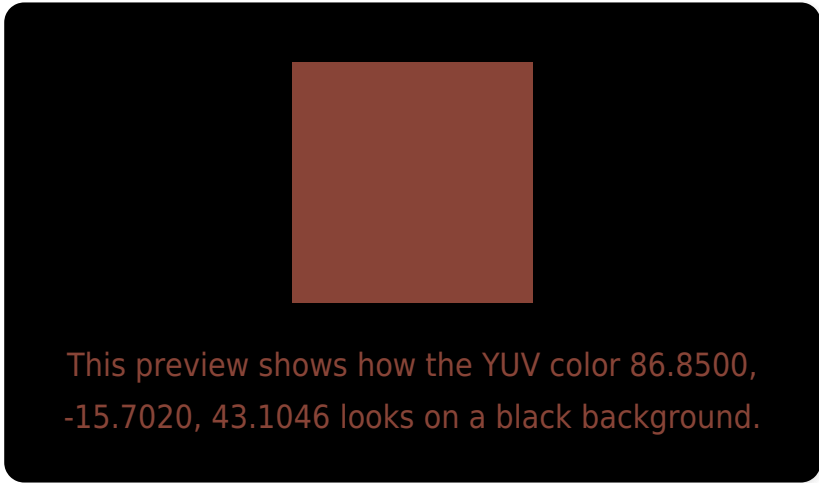
Any Text WCAG AA ✓ Pass

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

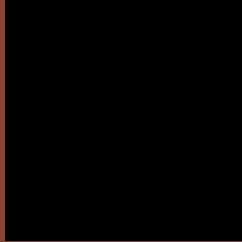
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 86.8500, -15.7020, 43.1046

## Background



This preview shows how black text looks on a background with the YUV color 86.8500, -15.7020, 43.1046.



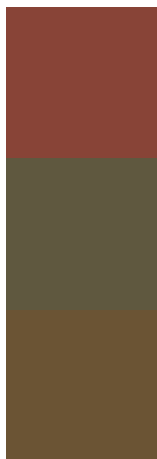
This preview shows how white text looks on a background with the YUV color 86.8500, -15.7020,



# 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

86.8500, -15.7020, 43.1046

### Protanopia

87.2430, -11.9518, 6.8029

### Deuteranopia

87.2290, -17.3679, 17.3392



## Tritanopia

87.6850, -8.7187, 43.2493

# Trichromacy



## Original Color

86.8500, -15.7020, 43.1046

## Protanomaly

87.2770, -13.4476, 19.9281

## Deuteranomaly

87.1100, -16.8162, 27.0905

## Tritanomaly

87.7020, -11.1921, 43.2343

# Monochromacy



## Original Color

86.8500, -15.7020, 43.1046

## Achromatopsia

87.0000, 0.0000, 0.0000

## Achromatomaly

86.9050, -5.8692, 15.8693

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 86.8500, -15.7020, 43.1046 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(136, 68, 55)` looks like.

```
.text, #text, p{  
    color:rgb(136, 68, 55)  
}
```

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(136, 68, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 68, 55) }
```

## Border

The CSS property to change the border of an element to YUV 86.8500, -15.7020, 43.1046 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(136, 68, 55) }
```



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

```
.border{ border-color:rgb(136, 68, 55) }
```

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

Here you see how a box with a 4 pixel rgb(136, 68, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 68, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 68, 55);  
box-shadow:4px 4px 4px 4px rgb(136, 68,  
55) }
```

# Background

The CSS property to change the background color of an element to YUV 86.8500, -15.7020, 43.1046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 68, 55) }
```

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

```
.background{ background-color: rgb(136, 68,  
55) }
```

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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