

# Converting Colors

YUV(86.8250, -31.4657,  
12.4315)

Have a look what the booklet for  
YUV(86.8250, -31.4657, 12.4315)  
contains.

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# Color

**YUV(86.8250, -31.4657,  
12.4315)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	655C17
RGB	101, 92, 23
RGB Percent	40%, 36%, 9%
CMY	0.6039, 0.6392, 0.9098
CMYK	0.00, 0.09, 0.77, 0.60
HSL	53°, 63%, 24%
HSV	53°, 77%, 40%
XYZ	9.3486, 10.4829, 2.3413
YIQ	86.8250, 27.5130, -19.5510

# Conversions

## Conversions Part 2

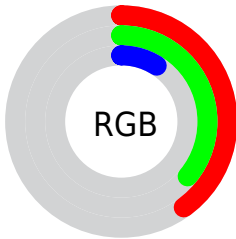
Format	Color
<a href="#">RYB</a>	<a href="#">33, 101, 23</a>
Decimal	<a href="#">6642711</a>
CIELab	<a href="#">38.70, -4.95, 38.69</a>
CIElCh	<a href="#">39, 39.003, 97.297</a>
Yxy	<a href="#">10.4829, 0.4216, 0.4728</a>
Android (android.graphics.Color)	<a href="#">4284832791</a> ( <a href="#">0xFF655C17</a> )
YUV	<a href="#">86.8250, -31.4657, 12.4315</a>
Hunter-Lab	<a href="#">32.3772, -5.1199, 18.3767</a>

# Details

The YUV color **86.8250, -31.4657, 12.4315** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **37.1750, 31.4657, -12.4315**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **137.6080, -32.3447, 14.3758**, and **42.8380, -21.1191, 7.1581** is the 20% darker color. If you saturate the color by 10%, you get **85.0980, -35.5443, 13.9461**, and if you desaturate by 10%, it is **88.5520, -27.3871, 10.9169**.

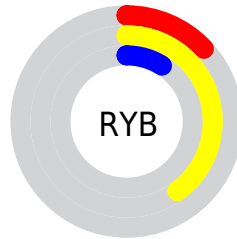
# Distribution



Red (40%)

Green (36%)

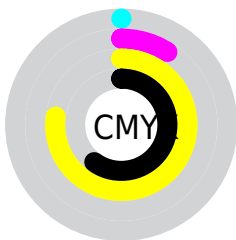
Blue (9%)



Red (13%)

Yellow (40%)

Blue (9%)

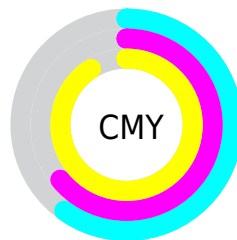


Cyan (0%)

Magenta (9%)

Yellow (77%)

Black (60%)



Cyan (60%)

Magenta (64%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 86.8250, -31.4657, 12.4315 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 86.8250, -31.4657, 12.4315 by changing the saturation by 10% instead.



86.8250, -31.4657,  
12.4315

86.8250, -31.4657,  
12.4315

255.0000, 0.0000,  
0.0000

62.9280, -31.0235,  
10.5871

137.6080,  
-32.3447, 14.3758

42.8380, -21.1191,  
7.1581

164.0920,  
-33.0764, 15.7053

23.3350, -11.5042,  
3.2142

191.1630,  
-34.0974, 16.5200

0.0000, 0.0000,  
0.0000

219.2340,  
-35.1184, 17.3348

244.2330,  
-33.6389, 9.4427

249.0720,

-22.7135, 5.1989

252.3780,  
-10.0464, 2.2995

86.8250, -31.4657,  
12.4315

86.8250, -31.4657,  
12.4315

85.0980, -35.5443,  
13.9461

88.5520, -27.3871,  
10.9169

83.3710, -39.6229,  
15.4606

90.2790, -23.3085,  
9.4023

82.4420, -40.6439,  
16.2754

92.0060, -19.2300,  
7.8877

94.3200, -15.4408,  
5.8584

96.1610, -10.9254,  
4.2438

■ 97.8880, -6.8468,  
2.7292

■ 99.6150, -2.7682,  
1.2146

■ 101.3420, 1.3104,  
-0.2999

■ 103.0690, 5.3890,  
-1.8145

# Harmonies

## Analogous

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



89.3530, -28.7680, 33.8934



86.8250, -31.4657, 12.4315



83.0650, -22.2170, -14.0890

# Triad

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



86.8250, -31.4657, 12.4315



76.3410, 25.9609, -66.9511



93.2170, 11.2320, 37.5207

# Complementary

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



86.8250, -31.4657, 12.4315



37.1750, 31.4657, -12.4315

# 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.



93.3580, 23.9805, 8.4560



86.8250, -31.4657, 12.4315



76.2730, 35.8544, -66.8914

# Square

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



86.8250, -31.4657, 12.4315



73.9810, 11.8414, -64.8813



84.1180, 34.4518, -36.9375



90.6350, -2.7781, 51.1861



# Rectangle

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



86.8250, -31.4657, 12.4315



78.3810, -11.5268, -36.2911



84.1180, 34.4518, -36.9375



94.0140, 15.7691, 28.9287

# Sweetspot

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



86.8250, -31.4657, 12.4315



124.8190, -12.2358, 4.5437



47.3480, -7.5666, 47.0528



62.7740, -7.2836, 2.8292



194.0000, 0.0000, 0.0000



66.0000, 0.0000, 0.0000



# Same Dimension

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



86.8250, -31.4657, 12.4315



107.9880, -48.8011, 19.3045



83.1380, -29.6480, -10.6450



49.8430, -1.8946, 1.0147



94.2590, -46.4697, 18.1899



197.9760, -97.6022, 38.6090



# Inverse Universe

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



37.1750, 31.4657, -12.4315



31.0120, 48.8011, -19.3045



40.8620, 29.6480, 10.6450



46.5700, 2.1840, -0.4999



20.7410, 46.4697, -18.1899



44.0240, 97.6022, -38.6090



# Previews

## White Background



This preview shows how the YUV color 86.8250, -31.4657, 12.4315 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 86.8250, -31.4657, 12.4315 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

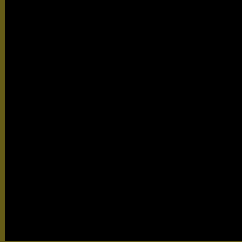
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 86.8250, -31.4657, 12.4315

## Background



This preview shows how black text looks on a background with the YUV color 86.8250, -31.4657, 12.4315.



This preview shows how white text looks on a background with the YUV color 86.8250, -31.4657,



# 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

86.8250, -31.4657, 12.4315

### Protanopia

86.8360, -31.4711, 14.1758

### Deuteranopia

88.3040, -31.2089, 23.4124



## Tritanopia

92.6640, -0.3274, 11.6957

# Trichromacy



## Original Color

86.8250, -31.4657, 12.4315

## Protanomaly

86.5370, -31.3237, 13.5611

## Deuteranomaly

87.8690, -31.4874, 19.4089

## Tritanomaly

90.3900, -11.5313, 11.9360

# Monochromacy



## Original Color

86.8250, -31.4657, 12.4315

## Achromatopsia

87.0000, 0.0000, 0.0000

## Achromatomaly

87.0470, -11.3622, 4.3438

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 86.8250, -31.4657, 12.4315 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(101, 92, 23)` looks like.

```
.text, #text, p{  
    color:rgb(101, 92, 23)  
}
```

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(101, 92, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 92, 23) }
```

## Border

The CSS property to change the border of an element to YUV 86.8250, -31.4657, 12.4315 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(101, 92, 23) }
```



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

```
.border{ border-color:rgb(101, 92, 23) }
```

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

Here you see how a box with a 4 pixel rgb(101, 92, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 92, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 92, 23);  
box-shadow:4px 4px 4px 4px rgb(101, 92,  
23) }
```

# Background

The CSS property to change the background color of an element to YUV 86.8250, -31.4657, 12.4315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 92, 23) }
```

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

```
.background{ background-color: rgb(101, 92,  
23) }
```

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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