

# Converting Colors

YUV(86.2310, -23.7779,  
19.9684)

Have a look what the booklet for  
YUV(86.2310, -23.7779, 19.9684)  
contains.

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# Color

**YUV(86.2310, -23.7779,  
19.9684)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6D5426
RGB	109, 84, 38
RGB Percent	43%, 33%, 15%
CMY	0.5725, 0.6706, 0.8510
CMYK	0.00, 0.23, 0.65, 0.57
HSL	39°, 48%, 29%
HSV	39°, 65%, 43%
XYZ	9.8268, 9.7318, 3.1942
YIQ	86.2310, 29.6660, -9.0060

# Conversions

## Conversions Part 2

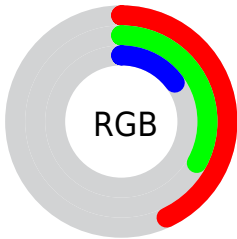
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	77, 109, 38
Decimal	7164966
CIE <sub>Lab</sub>	37.36, 4.69, 30.31
CIE <sub>LCh</sub>	37, 30.672, 81.211
Yxy	9.7318, 0.4319, 0.4277
Android (android.graphics.Color)	4285355046 (0xFF6D5426)
YUV	86.2310, -23.7779, 19.9684
Hunter-Lab	31.1958, 1.6357, 15.7662

# Details

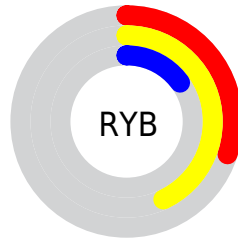
The YUV color  $86.2310, -23.7779, 19.9684$  is a dark color, and the websafe version is hex  $666633$ . A complement of this color would be  $60.7690, 23.7779, -19.9684$ , and the grayscale version is  $86.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $136.4980, -25.3885, 23.2423$ , and  $40.5340, -19.9833, 16.1947$  is the 20% darker color. If you saturate the color by 10%, you get  $82.6290, -27.4251, 23.1274$ , and if you desaturate by 10%, it is  $89.8330, -20.1307, 16.8095$ .

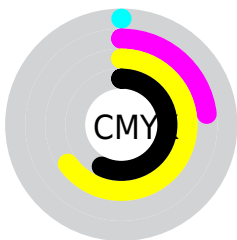
# Distribution



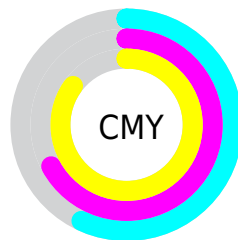
- Red (43%)
- Green (33%)
- Blue (15%)



- Red (30%)
- Yellow (43%)
- Blue (15%)



- Cyan (0%)
- Magenta (23%)
- Yellow (65%)
- Black (57%)



- Cyan (57%)
- Magenta (67%)
- Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 86.2310, -23.7779, 19.9684 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 86.2310, -23.7779, 19.9684 by changing the saturation by 10% instead.



86.2310, -23.7779,  
19.9684

86.2310, -23.7779,  
19.9684

255.0000, 0.0000,  
0.0000

62.3340, -23.3357,  
18.1241

136.4980,  
-25.3885, 23.2423

40.5340, -19.9833,  
16.1947

162.9820,  
-26.1201, 24.5718

21.3190, -10.5103,  
11.1212

190.0530,  
-27.1411, 25.3865

0.0000, 0.0000,  
0.0000

218.2380,  
-27.7253, 26.1013

239.8450,  
-25.0666, 13.2909

250.6680,

-16.5983, 3.7992

253.8600, -4.3680,  
0.9998

86.2310, -23.7779,  
19.9684

86.2310, -23.7779,  
19.9684

82.6290, -27.4251,  
23.1274

89.8330, -20.1307,  
16.8095

79.0270, -31.0723,  
26.2863

93.4350, -16.4835,  
13.6505

75.4250, -34.7195,  
29.4453

97.0370, -12.8362,  
10.4916

74.2680, -36.6141,  
30.4600

100.0520, -8.8996,  
7.8474

103.5400, -5.6892,  
4.7884

■ 107.1420, -2.0420,  
1.6295

■ 110.7440, 1.6052,  
-1.5295

■ 114.3460, 5.2524,  
-4.6884

■ 117.9480, 8.8996,  
-7.8474

# Harmonies

## Analogous

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



87.3990, -18.4377, 33.8531



86.2310, -23.7779, 19.9684



83.9790, -21.6816, 0.8954

# Triad

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



86.2310, -23.7779, 19.9684



70.6700, 16.9247, -61.9776



90.7800, 13.9125, 17.7329

# Complementary

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



86.2310, -23.7779, 19.9684



60.7690, 23.7779, -19.9684

# 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.



87.9060, 22.7243, -8.6876



86.2310, -23.7779, 19.9684



71.8900, 26.6762, -63.0475

# Square

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



86.2310, -23.7779, 19.9684



69.3150, 5.2677, -56.4043



76.7870, 29.6850, -48.0482



89.7300, 3.0911, 35.3168



# Rectangle

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



86.2310, -23.7779, 19.9684



81.9710, -16.2547, -13.1296



76.7870, 29.6850, -48.0482



90.5340, 16.9917, 10.0557

# Sweetspot

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



86.2310, -23.7779, 19.9684



133.8240, -9.7732, 8.0474



62.1930, 0.8909, 41.0497



65.5400, -5.6892, 4.7884



199.0000, 0.0000, 0.0000



71.0000, 0.0000, 0.0000



# Same Dimension

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



86.2310, -23.7779, 19.9684



107.3390, -37.6351, 31.2747



98.2150, -29.6860, 1.5654



52.1420, -2.0420, 1.6295



79.5950, -39.2403, 32.8042



166.5880, -82.1279, 68.7673



# Inverse Universe

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



60.7690, 23.7779, -19.9684



67.2480, 37.3457, -31.7895



48.7850, 29.6860, -1.5654



49.8580, 2.0420, -1.6295



37.4050, 39.2403, -32.8042



78.4120, 82.1279, -68.7673



# Previews

## White Background



This preview shows how the YUV color 86.2310, -23.7779, 19.9684 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 86.2310, -23.7779, 19.9684 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

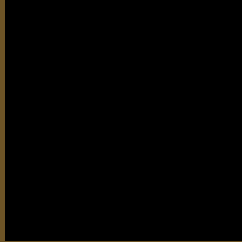
Any Text WCAG AA × Fail

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 86.2310, -23.7779, 19.9684 Background



This preview shows how black text looks on a background with the YUV color 86.2310, -23.7779, 19.9684.



This preview shows how white text looks on a background with the YUV color 86.2310, -23.7779,



# 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

86.2310, -23.7779, 19.9684

### Protanopia

85.4040, -22.8772, 11.0467

### Deuteranopia

86.2310, -23.7779, 19.9684



## Tritanopia

89.8500, -2.3910, 20.3026

# Trichromacy



## Original Color

86.2310, -23.7779, 19.9684

## Protanomaly

86.0130, -23.1774, 14.0206

## Deuteranomaly

86.2310, -23.7779, 19.9684

## Tritanomaly

88.7870, -10.2480, 20.3578

# Monochromacy



## Original Color

86.2310, -23.7779, 19.9684

## Achromatopsia

86.0000, 0.0000, 0.0000

## Achromatomaly

85.8670, -8.3154, 7.1326

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 86.2310, -23.7779, 19.9684 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(109, 84, 38)` looks like.

```
.text, #text, p{  
    color:rgb(109, 84, 38)  
}
```

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(109, 84, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 84, 38) }
```

## Border

The CSS property to change the border of an element to YUV 86.2310, -23.7779, 19.9684 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(109, 84, 38) }
```



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

```
.border{ border-color:rgb(109, 84, 38) }
```

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

Here you see how a box with a 4 pixel rgb(109, 84, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 84, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 84, 38);  
box-shadow:4px 4px 4px 4px rgb(109, 84,  
38) }
```

# Background

The CSS property to change the background color of an element to YUV 86.2310, -23.7779, 19.9684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 84, 38) }
```

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

```
.background{ background-color: rgb(109, 84,  
38) }
```

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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