

# Converting Colors

YUV(36.8880, -13.2558,  
51.8412)

Have a look what the booklet for  
YUV(36.8880, -13.2558, 51.8412)  
contains.

<b>YUV(36.8880, -13.2558, 51.8412)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(36.8880, -13.2558,  
51.8412)**

# Conversions

## Conversions Part 1

Format	Color
Hex	600C0A
RGB	96, 12, 10
RGB Percent	38%, 5%, 4%
CMY	0.6235, 0.9529, 0.9608
CMYK	0.00, 0.87, 0.90, 0.62
HSL	1°, 81%, 21%
HSV	1°, 90%, 38%
XYZ	5.0101, 2.7717, 0.5581
YIQ	36.8880, 50.7060, 17.1860

# Conversions

## Conversions Part 2

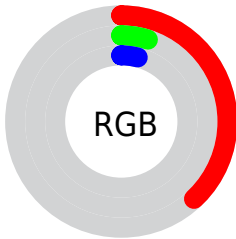
<b>Format</b>	<b>Color</b>
<b>RYB</b>	96, 12, 10
Decimal	6294538
CIELab	19.11, 36.16, 24.96
CIELCh	19, 43.935, 34.615
Yxy	2.7717, 0.6007, 0.3323
Android (android.graphics.Color)	4284484618 (0xFF600C0A)
YUV	36.8880, -13.2558, 51.8412
Hunter-Lab	16.6483, 24.5832, 9.6663

# Details

The YUV color **36.8880, -13.2558, 51.8412** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **69.1120, 13.2558, -51.8412**, and the grayscale version is **37.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **89.4710, -17.4872, 55.7149**, and **13.2700, -6.0491, 26.9502** is the 20% darker color. If you saturate the color by 10%, you get **30.4650, -15.0192, 57.4742**, and if you desaturate by 10%, it is **43.3110, -11.4923, 46.2083**.

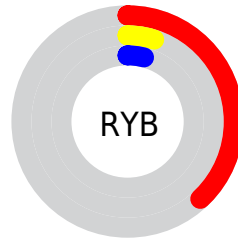
# Distribution



Red (38%)

Green (5%)

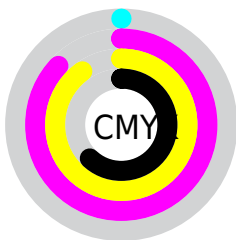
Blue (4%)



Red (38%)

Yellow (5%)

Blue (4%)

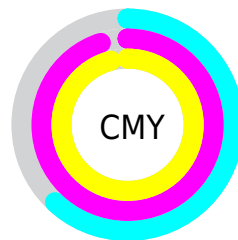


Cyan (0%)

Magenta (87%)

Yellow (90%)

Black (62%)



Cyan (62%)

Magenta (95%)


Yellow (96%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 36.8880, -13.2558, 51.8412 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 36.8880, -13.2558, 51.8412 by changing the saturation by 10% instead.





 36.8880, -13.2558,  
51.8412


 36.8880, -13.2558,  
51.8412

 252.0190, -8.8834,  
2.6143

 20.3320, -10.0237,  
41.8048

 89.4710, -17.4872,  
55.7149


 13.2700, -6.0491,  
26.9502

 115.9120,  
-19.6766, 57.9592

 0.0000, 0.0000,  
0.0000

 141.9940,  
-20.7030, 60.5183

 169.7770,  
-21.5821, 62.4626

 192.6620,  
-20.5394, 54.6704

 211.5890,

-16.5594, 38.0714

■ 231.8040,  
-12.7214, 20.3429

■ 36.8880, -13.2558,  
51.8412

■ 36.8880, -13.2558,  
51.8412

■ 30.4650, -15.0192,  
57.4742

■ 43.3110, -11.4923,  
46.2083

■ 29.8780, -14.7299,  
57.9890

■ 50.2070, -10.4551,  
40.1605

■ 56.6300, -8.6916,  
34.5275

■ 63.5260, -7.6543,  
28.4797

■ 69.9490, -5.8909,  
22.8467

■ 76.3720, -4.1274,  
17.2138

■ 83.2680, -3.0901,  
11.1660

■ 89.6910, -1.3267,  
5.5330

■ 96.0000, 0.0000,  
0.0000

# Harmonies

## Analogous

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



34.8020, 4.0416, 57.1786



36.8880, -13.2558, 51.8412



43.5790, -21.4844, 31.0642

# Triad

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



36.8880, -13.2558, 51.8412



35.8700, -9.7959, -31.4580



41.4170, 34.3044, -36.3227

# Complementary

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



36.8880, -13.2558, 51.8412



69.1120, 13.2558, -51.8412

# 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.



45.4290, 29.3685, -39.8412



36.8880, -13.2558, 51.8412



40.4470, 5.2026, -35.4720

# Square

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



36.8880, -13.2558, 51.8412



37.6780, -18.5753, -15.5036



43.9810, 18.7434, -38.5713



46.5960, 26.3282, 2.1083



# Rectangle

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



36.8880, -13.2558, 51.8412



44.0780, -21.7305, 16.5946



43.9810, 18.7434, -38.5713



43.1780, 33.4362, -37.8671

# Sweetspot

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



36.8880, -13.2558, 51.8412



101.7530, -5.3012, 20.3876



45.4040, 24.4508, 44.3727



49.8660, -3.3849, 12.3955



191.0000, 0.0000, 0.0000



64.0000, 0.0000, 0.0000



# Same Dimension

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



36.8880, -13.2558, 51.8412



39.1360, -19.2940, 75.3027



61.5420, -25.4102, 30.2197



45.1960, -0.5896, 2.4591



35.2490, -17.3778, 67.3106



75.2820, -37.1140, 144.4577



# Inverse Universe

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



69.1120, 13.2558, -51.8412



85.8640, 19.2940, -75.3027



44.4580, 25.4102, -30.2197



46.8040, 0.5896, -2.4591



77.3380, 17.0884, -67.8254

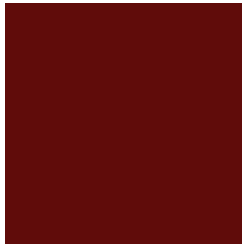


164.7180, 37.1140, -144.4577



# Previews

## White Background



This preview shows how the YUV color 36.8880, -13.2558, 51.8412 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

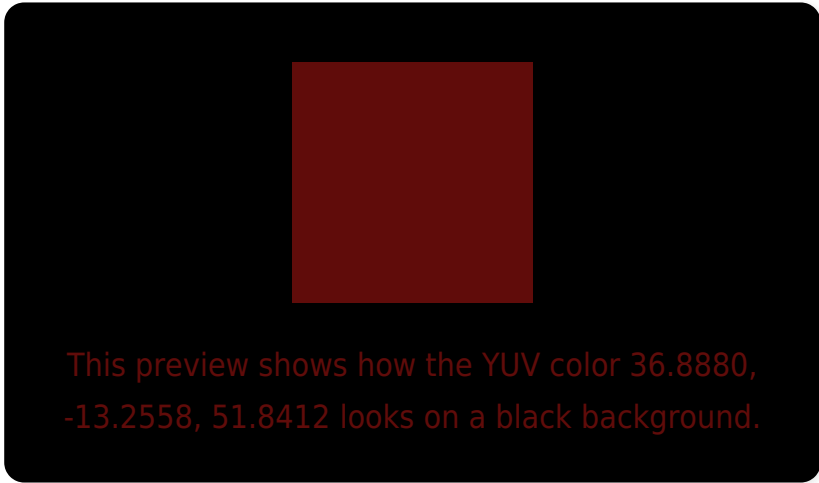
Any Text WCAG AA ✓ Pass

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

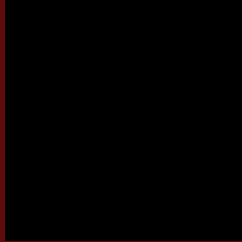
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 36.8880, -13.2558, 51.8412

## Background



This preview shows how black text looks on a background with the YUV color 36.8880, -13.2558, 51.8412.



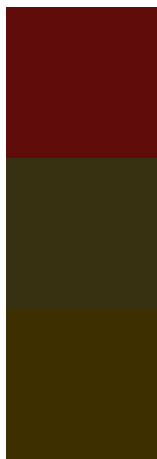
This preview shows how white text looks on a background with the YUV color 36.8880, -13.2558,



# 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

36.8880, -13.2558, 51.8412

### Protanopia

47.2600, -14.4252, 6.7880

### Deuteranopia

46.1270, -22.7406, 13.9206



## Tritanopia

36.8880, -13.2558, 51.8412

# Trichromacy



## Original Color

36.8880, -13.2558, 51.8412

## Protanomaly

43.7720, -14.1846, 23.0020

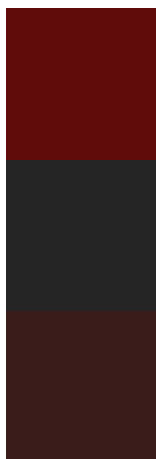
## Deuteranomaly

42.5400, -19.0002, 27.5904

## Tritanomaly

36.8880, -13.2558, 51.8412

# Monochromacy



## Original Color

36.8880, -13.2558, 51.8412

## Achromatopsia

37.0000, 0.0000, 0.0000

## Achromatomaly

36.8560, -4.8590, 18.5433

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 36.8880, -13.2558, 51.8412 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(96, 12, 10)` looks like.

```
.text, #text, p{  
    color:rgb(96, 12, 10)  
}
```

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(96, 12, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 12, 10) }
```

## Border

The CSS property to change the border of an element to YUV 36.8880, -13.2558, 51.8412 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(96, 12, 10) }
```



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

```
.border{ border-color:rgb(96, 12, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 12, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 12, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 12, 10);  
box-shadow:4px 4px 4px 4px rgb(96, 12, 10)  
}
```

# Background

The CSS property to change the background color of an element to YUV 36.8880, -13.2558, 51.8412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 12, 10) }
```

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

```
.background{ background-color: rgb(96, 12,  
10) }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor