

# Converting Colors

YUV(107.8900, -33.4698,  
1.8505)

Have a look what the booklet for  
YUV(107.8900, -33.4698, 1.8505)  
contains.

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# Color

**YUV(107.8900, -33.4698,  
1.8505)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6E7828
RGB	110, 120, 40
RGB Percent	43%, 47%, 16%
CMY	0.5686, 0.5294, 0.8431
CMYK	0.08, 0.00, 0.67, 0.53
HSL	68°, 50%, 31%
HSV	68°, 67%, 47%
XYZ	13.5299, 16.9011, 4.5566
YIQ	107.8900, 19.7200, -27.0000

# Conversions

## Conversions Part 2

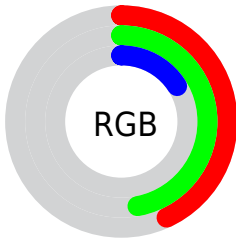
<b>Format</b>	<b>Color</b>
<b>RYB</b>	40, 120, 50
Decimal	7239720
CIELab	48.14, -15.38, 41.14
CIELCh	48, 43.920, 110.493
Yxy	16.9011, 0.3867, 0.4831
Android (android.graphics.Color)	4285429800 (0xFF6E7828)
YUV	107.8900, -33.4698, 1.8505
Hunter-Lab	41.1110, -13.1988, 22.2062

# Details

The YUV color **107.8900, -33.4698, 1.8505** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **52.1100, 33.4698, -1.8505**, and the grayscale version is **108.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **160.2600, -34.6382, 3.2800**, and **60.2040, -29.6806, -0.1789** is the 20% darker color. If you saturate the color by 10%, you get **105.9240, -38.4165, 1.8207**, and if you desaturate by 10%, it is **109.5570, -28.3756, 1.2655**.

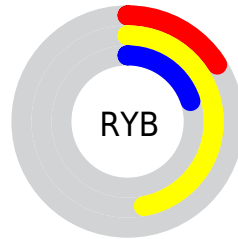
# Distribution



Red (43%)

Green (47%)

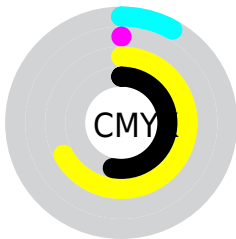
Blue (16%)



Red (16%)

Yellow (47%)

Blue (20%)

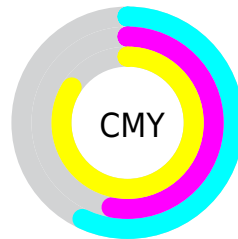


Cyan (8%)

Magenta (0%)

Yellow (67%)

Black (53%)



Cyan (57%)

Magenta (53%)

Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 107.8900, -33.4698, 1.8505 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 107.8900, -33.4698, 1.8505 by changing the saturation by 10% instead.



■ 107.8900,  
-33.4698, 1.8505

■ 107.8900,  
-33.4698, 1.8505

■ 255.0000, 0.0000,  
0.0000

■ 82.3630, -34.1960,  
1.4356

■ 160.2600,  
-34.6382, 3.2800

■ 60.2040, -29.6806,  
-0.1789

■ 187.0320,  
-35.5118, 3.4799

■ 39.2280, -19.3394,  
-3.7080

■ 215.1030,  
-36.5328, 4.2947

■ 18.8170, -9.2768,  
-11.2405

■ 243.2880,  
-37.1170, 5.0094

■ 0.0000, 0.0000,  
0.0000

■ 248.2740,  
-25.7711, 5.8987

■ 251.4660,

-13.5407, 3.0993

254.7720, -0.8736,  
0.2000

■ 107.8900,  
-33.4698, 1.8505

■ 107.8900,  
-33.4698, 1.8505

■ 105.9240,  
-38.4165, 1.8207

■ 109.5570,  
-28.3756, 1.2655

■ 104.2570,  
-43.5107, 2.4056

■ 111.5230,  
-23.4288, 1.2953

■ 102.2910,  
-48.4575, 2.3758

■ 113.1900,  
-18.3347, 0.7104

■ 101.8350,  
-50.2047, 2.7757

■ 115.1560,  
-13.3879, 0.7402

■ 116.8230, -8.2937,  
0.1552

■ 118.7890, -3.3470,  
0.1850

■ 120.4560, 1.7472,  
-0.3999

■ 122.4220, 6.6940,  
-0.3701

■ 124.3880, 11.6407,  
-0.3403

# Harmonies

## Analogous

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



111.0830, -36.0299, 29.7452



107.8900, -33.4698, 1.8505



101.9810, -18.2316, -32.4323

# Triad

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



107.8900, -33.4698, 1.8505



95.2170, 37.3610, -83.5053



115.3500, 6.2365, 53.1901

# Complementary

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



107.8900, -33.4698, 1.8505



52.1100, 33.4698, -1.8505

# 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.



117.8980, 21.7423, 26.3995



107.8900, -33.4698, 1.8505



92.9320, 46.3755, -81.5014

# Square

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



107.8900, -33.4698, 1.8505



93.3300, 22.5153, -81.8504



113.3640, 34.8235, -16.1052



113.6980, -11.6831, 60.7779



# Rectangle

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



107.8900, -33.4698, 1.8505



87.2280, 0.3806, -75.6220



113.3640, 34.8235, -16.1052



116.3860, 11.6417, 46.1425

# Sweetspot

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



107.8900, -33.4698, 1.8505



151.1560, -13.3879, 0.7402



69.2030, -14.3971, 44.5490



76.2360, -8.0043, 0.6700



207.0000, 0.0000, 0.0000



79.0000, 0.0000, 0.0000



# Same Dimension

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



107.8900, -33.4698, 1.8505



136.9660, -52.2412, 2.6608



96.2290, -27.7209, -22.1258



60.0170, -2.4734, -0.0149



105.9660, -52.2412, 2.6608



214.0030, -105.5035, 6.1364



# Inverse Universe

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



52.1100, 33.4698, -1.8505



50.0340, 52.2412, -2.6608



63.7710, 27.7209, 22.1258



55.9830, 2.4734, 0.0149



19.0340, 52.2412, -2.6608



38.2960, 105.3561, -5.5216



# Previews

## White Background



This preview shows how the YUV color 107.8900, -33.4698, 1.8505 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 107.8900, -33.4698, 1.8505 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

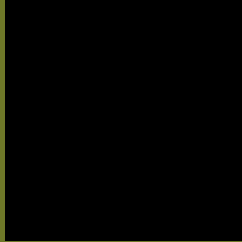
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 107.8900, -33.4698, 1.8505

## Background



This preview shows how black text looks on a background with the YUV color 107.8900, -33.4698, 1.8505.



This preview shows how white text looks on a background with the YUV color 107.8900, -33.4698, 1.8505.



# 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

107.8900, -33.4698, 1.8505

### Protanopia

109.5220, -35.2603, 16.2052

### Deuteranopia

110.8700, -32.9669, 27.3010



## Tritanopia

114.8200, 3.0467, 2.7889

# Trichromacy



## Original Color

107.8900, -33.4698, 1.8505

## Protanomaly

108.7170, -34.3705, 10.7722

## Deuteranomaly

109.5160, -32.7924, 17.9645

## Tritanomaly

112.3780, -10.0464, 2.2995

# Monochromacy



## Original Color

107.8900, -33.4698, 1.8505

## Achromatopsia

108.0000, 0.0000, 0.0000

## Achromatomaly

107.7970, -12.2249, 1.0550

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 107.8900, -33.4698, 1.8505 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(110, 120, 40)` looks like.

```
.text, #text, p{  
    color:rgb(110, 120, 40)  
}
```

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(110, 120, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 120, 40) }
```

## Border

The CSS property to change the border of an element to YUV 107.8900, -33.4698, 1.8505 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(110, 120, 40) }
```



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

```
.border{ border-color:rgb(110, 120, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 120, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 120, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 120, 40);  
box-shadow:4px 4px 4px 4px rgb(110, 120,  
40) }
```

# Background

The CSS property to change the background color of an element to YUV 107.8900, -33.4698, 1.8505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 120, 40) }
```

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

```
.background{ background-color: rgb(110,  
120, 40) }
```

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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