

# Converting Colors

YUV(133.9770, -51.7537,  
79.8272)

Have a look what the booklet for  
YUV(133.9770, -51.7537, 79.8272)  
contains.

<b>YUV(133.9770, -51.7537, 79.8272)</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(133.9770, -51.7537,  
79.8272)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E16C1D
RGB	225, 108, 29
RGB Percent	88%, 42%, 11%
CMY	0.1176, 0.5765, 0.8863
CMYK	0.00, 0.52, 0.87, 0.12
HSL	24°, 77%, 50%
HSV	24°, 87%, 88%
XYZ	36.6357, 26.8214, 4.4085
YIQ	133.9770, 95.0910, 0.2350

# Conversions

## Conversions Part 2

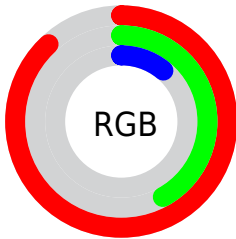
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">225, 161, 29</a>
Decimal	<a href="#">14773277</a>
CIELab	<a href="#">58.81, 41.43, 60.30</a>
CIELCh	<a href="#">59, 73.164, 55.511</a>
Yxy	<a href="#">26.8214, 0.5398, 0.3952</a>
Android (android.graphics.Color)	<a href="#">4292963357 (0xFFE16C1D)</a>
YUV	<a href="#">133.9770, -51.7537, 79.8272</a>
Hunter-Lab	<a href="#">51.7894, 35.6391, 31.2055</a>

# Details

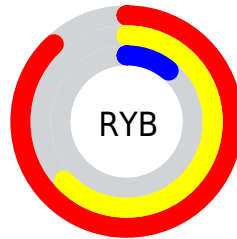
The YUV color **133.9770, -51.7537, 79.8272** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **120.0230, 51.7537, -79.8272**, and the grayscale version is **134.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **180.1000, -48.3633, 65.6873**, and **81.8970, -40.3752, 70.2503** is the 20% darker color. If you saturate the color by 10%, you get **123.8380, -57.6011, 88.7191**, and if you desaturate by 10%, it is **144.2300, -45.4694, 70.8353**.

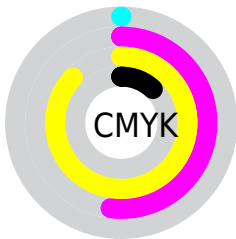
# Distribution



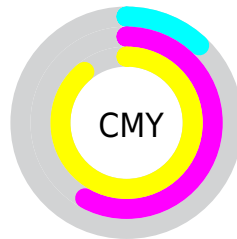
- Red (88%)
- Green (42%)
- Blue (11%)



- Red (88%)
- Yellow (63%)
- Blue (11%)



- Cyan (0%)
- Magenta (52%)
- Yellow (87%)
- Black (12%)




- Cyan (12%)
- Magenta (58%)
- Yellow (89%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 133.9770, -51.7537, 79.8272 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 133.9770, -51.7537, 79.8272 by changing the saturation by 10% instead.





 133.9770,  
-51.7537, 79.8272

 133.9770,  
-51.7537, 79.8272


255.0000, 0.0000,  
0.0000


 105.8410,  
-52.1796, 76.4384


 180.1000,  
-48.3633, 65.6873


 81.8970, -40.3752,  
70.2503


 199.5000,  
-45.1095, 48.6735

 57.0780, -28.1395,  
65.7066


 219.0140,  
-41.4189, 31.5597

 30.1990, -14.8881,  
62.0925

 239.1150,  
-38.0177, 13.9311

 21.5280, -10.6133,  
44.2639

 247.5900,  
-28.3919, 6.4986

 14.2810, -6.0545,  
28.6946

 250.8960,

 0.0000, 0.0000,

-15.7247, 3.5992

0.0000

254.2020, -3.0576,  
0.6998

■ 133.9770,  
-51.7537, 79.8272

■ 133.9770,  
-51.7537, 79.8272

■ 123.8380,  
-57.6011, 88.7191

■ 144.2300,  
-45.4694, 70.8353

■ 120.6920,  
-59.5012, 91.4781

■ 154.9560,  
-39.9113, 61.4286

■ 165.2090,  
-33.6270, 52.4367

■ 175.9350,  
-28.0690, 43.0300

■ 186.1880,  
-21.7847, 34.0381

■ 196.9140,  
-16.2266, 24.6314

■ 207.1670, -9.9423,  
15.6395

■ 217.3060, -4.0949,  
6.7476

■ 228.1460, 1.9000,  
-2.7590

# Harmonies

## Analogous

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



131.3940, -20.4072, 105.7715



133.9770, -51.7537, 79.8272



132.4670, -65.3062, 39.9324

# Triad

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



133.9770, -51.7537, 79.8272



113.9090, 7.4399, -99.8982



139.7760, 56.8054, -19.9746

# Complementary

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



133.9770, -51.7537, 79.8272



120.0230, 51.7537, -79.8272

# 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.



118.2940, 67.3961, -103.7438



133.9770, -51.7537, 79.8272



122.0200, 35.9791, -107.0115

# Square

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



133.9770, -51.7537, 79.8272



104.0370, -20.2312, -91.2404



125.0130, 60.1396, -109.6364



143.0540, 35.4694, 56.9576



# Rectangle

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



133.9770, -51.7537, 79.8272



129.0240, -63.6088, 8.7490



125.0130, 60.1396, -109.6364



125.6240, 63.7824, -64.5682

# Sweetspot

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



133.9770, -51.7537, 79.8272



223.9960, -17.2530, 27.1905



101.0560, 22.6504, 108.6989



109.3520, -10.5265, 16.3543



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



133.9770, -51.7537, 79.8272



136.7060, -67.3961, 103.7438



190.9160, -79.8246, 29.8917



107.2240, -3.0684, 4.1886



94.3010, -46.4904, 71.6500



26.0920, -12.8634, 19.2133

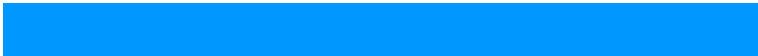


# Inverse Universe

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



120.0230, 51.7537, -79.8272



118.2940, 67.3961, -103.7438



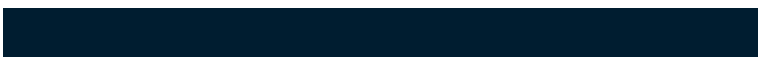
63.0840, 79.8246, -29.8917



106.3630, 2.7790, -4.7034



81.6990, 46.4904, -71.6500



22.4950, 12.5740, -19.7281



# Previews

## White Background



This preview shows how the YUV color 133.9770, -51.7537, 79.8272 looks on a white 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



# Black Background



This preview shows how the YUV color 133.9770, -51.7537, 79.8272 looks on a black 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

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

# YUV 133.9770, -51.7537, 79.8272

## Background



This preview shows how black text looks on a background with the YUV color 133.9770, -51.7537, 79.8272.



This preview shows how white text looks on a background with the YUV color 133.9770, -51.7537, 79.8272.



# 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

133.9770, -51.7537, 79.8272

### Protanopia

135.2270, -47.9329, 20.8489

### Deuteranopia

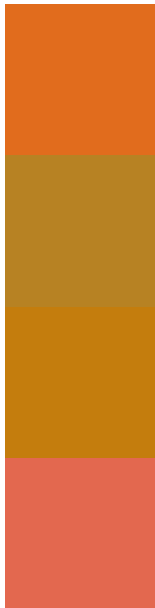
133.5210, -63.8539, 40.7621



## Tritanopia

139.7710, -15.6631, 77.3768

# Trichromacy



## Original Color

133.9770, -51.7537, 79.8272

## Protanomaly

135.0170, -49.3084, 42.0811

## Deuteranomaly

133.4610, -59.3873, 54.8467

## Tritanomaly

137.9270, -29.0510, 78.1170

# Monochromacy



## Original Color

133.9770, -51.7537, 79.8272

## Achromatopsia

134.0000, 0.0000, 0.0000

## Achromatomaly

134.2520, -18.8582, 28.7200

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 133.9770, -51.7537, 79.8272 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(225, 108, 29)` looks like.

```
.text, #text, p{  
    color:rgb(225, 108, 29)  
}
```

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(225, 108, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 108, 29) }
```

## Border

The CSS property to change the border of an element to YUV 133.9770, -51.7537, 79.8272 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(225, 108, 29) }
```



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

```
.border{ border-color:rgb(225, 108, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 108, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 108, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 108, 29);  
box-shadow:4px 4px 4px 4px rgb(225, 108,  
29) }
```

# Background

The CSS property to change the background color of an element to YUV 133.9770, -51.7537, 79.8272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 108, 29) }
```

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

```
.background{ background-color: rgb(225,  
108, 29) }
```

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