

# Converting Colors

YUV(154.0170, -75.9304,  
87.6851)

Have a look what the booklet for  
YUV(154.0170, -75.9304, 87.6851)  
contains.

|  |    |
|--|----|
| <b>YUV(154.0170, -75.9304, 87.6851)</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> .....               | 30 |

# Color

**YUV(154.0170, -75.9304,  
87.6851)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | FE8500                       |
| RGB         | 254, 133, 0                  |
| RGB Percent | 100%, 52%, 0%                |
| CMY         | 0.0039, 0.4784, 1.0000       |
| CMYK        | 0.00, 0.48, 1.00, 0.00       |
| HSL         | 31°, 100%, 50%               |
| HSV         | 31°, 100%, 100%              |
| XYZ         | 49.2606, 37.8459, 4.7087     |
| YIQ         | 154.0170, 114.8090, -15.7110 |

# Conversions

## Conversions Part 2

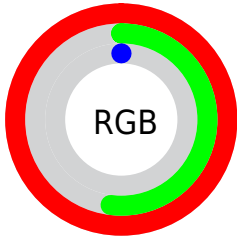
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 231, 254, 0                    |
| Decimal                             | 16680192                       |
| CIE <sub>Lab</sub>                  | 67.91, 39.96, 74.47            |
| CIE <sub>LCh</sub>                  | 68, 84.510, 61.781             |
| Yxy                                 | 37.8459, 0.5365,<br>0.4122     |
| Android<br>(android.graphics.Color) | 4294870272<br>(0xFFFE8500)     |
| YUV                                 | 154.0170, -75.9304,<br>87.6851 |
| Hunter-Lab                          | 61.5190, 35.2734,<br>38.5252   |

# Details

The YUV color **154.0170, -75.9304, 87.6851** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **99.9830, 75.9304, -87.6851**, and the grayscale version is **155.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **194.4500, -59.3818, 53.1024**, and **104.3570, -51.4480, 75.1089** is the 20% darker color. If you saturate the color by 10%, you get **154.0170, -75.9304, 87.6851**, and if you desaturate by 10%, it is **163.9110, -68.4831, 79.0081**.

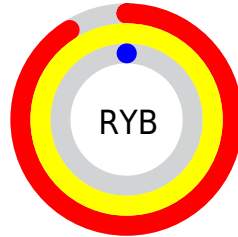
# Distribution



Red (100%)

Green (52%)

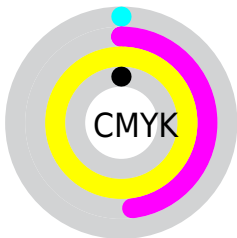
Blue (0%)



Red (91%)

Yellow (100%)

Blue (0%)

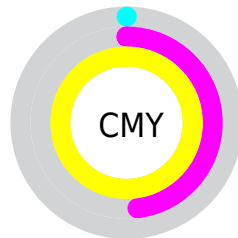


Cyan (0%)

Magenta (48%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (48%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 154.0170, -75.9304, 87.6851 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 154.0170, -75.9304, 87.6851 by changing the saturation by 10% instead.



154.0170,  
-75.9304, 87.6851

154.0170,  
-75.9304, 87.6851

255.0000, 0.0000,  
0.0000

129.1870,  
-63.6892, 81.3970

194.4500,  
-59.3818, 53.1024

104.3570,  
-51.4480, 75.1089

214.5510,  
-55.9806, 35.4738

80.1140, -39.4962,  
68.3060

234.1790,  
-51.8532, 18.2600

55.5830, -27.4024,  
62.6327

243.8280,  
-42.8062, 9.7978

29.0030, -14.2985,  
59.6334

247.0200,  
-30.5759, 6.9985

20.3320, -10.0237,  
41.8048

250.3260,

12.9710, -5.9017,

-17.9087, 4.0991

26.3354

253.6320, -5.2416,  
1.1997

0.0000, 0.0000,  
0.0000

154.0170,  
-75.9304, 87.6851

163.9110,  
-68.4831, 79.0081

173.9190,  
-60.5991, 70.2310

183.8130,  
-53.1518, 61.5540

193.8210,  
-45.2678, 52.7770

204.3020,  
-38.1099, 43.5851

■ 214.1960,  
-30.6626, 34.9081

■ 224.2040,  
-22.7786, 26.1311

■ 234.0980,  
-15.3313, 17.4541

■ 244.1060, -7.4473,  
8.6770

# Harmonies

## Analogous

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



142.2700, -25.7691, 98.8642



154.0170, -75.9304, 87.6851



154.5730, -76.2045, 35.4545

# Triad

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



154.0170, -75.9304, 87.6851



135.9650, 15.7933, -119.2413



162.6450, 45.5310, 2.9423

# Complementary

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



154.0170, -75.9304, 87.6851



99.9830, 75.9304, -87.6851

# 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.



131.2080, 61.0295, -115.0694



154.0170, -75.9304, 87.6851



144.6290, 48.9899, -126.8396

# Square

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



154.0170, -75.9304, 87.6851



123.9100, -17.7036, -108.6691



141.7740, 55.8204, -124.3358



163.9520, 36.9987, 79.8491



# Rectangle

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



154.0170, -75.9304, 87.6851



148.1400, -73.0330, -1.8768



141.7740, 55.8204, -124.3358



152.6570, 50.4551, -36.5332

# Sweetspot

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



154.0170, -75.9304, 87.6851



225.2040, -22.7786, 26.1311



89.9680, 16.2848, 143.8561



109.8420, -13.7261, 15.9246



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.



154.0170, -75.9304, 87.6851



154.9030, -76.3672, 87.7851



223.8480, -110.3571, 22.9353



122.4090, -3.6526, 4.9033



115.8090, -57.0938, 65.9425



38.5070, -18.9840, 22.3574



# Inverse Universe

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



99.9830, 75.9304, -87.6851



100.0970, 76.3672, -87.7851



30.1520, 110.3571, -22.9353



120.0040, 3.9420, -4.3885



75.1910, 57.0938, -65.9425



24.9060, 19.2733, -21.8426



# Previews

## White Background



This preview shows how the YUV color 154.0170, -75.9304, 87.6851 looks on a white 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



# Black Background



This preview shows how the YUV color 154.0170, -75.9304, 87.6851 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 ✓ Pass

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

# YUV 154.0170, -75.9304, 87.6851 Background



This preview shows how black text looks on a background with the YUV color 154.0170, -75.9304, 87.6851.



This preview shows how white text looks on a background with the YUV color 154.0170, -75.9304, 87.6851.



# 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



### Protanopia

155.7490, -66.4313, 27.4071

### Deuteranopia

154.9490, -76.3899, 48.2797

### Tritanopia

165.4830, -15.5211, 78.5064

# Trichromacy



## Protanomaly

154.9690, -69.9907, 49.1392

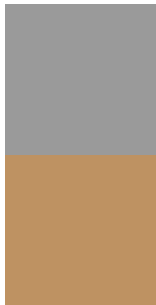
## Deuteranomaly

154.4500, -76.1439, 62.7494

## Tritanomaly

161.6580, -37.7924, 81.8609

# Monochromacy



## Achromatopsia

154.0000, 0.0000, 0.0000

## Achromatomaly

153.6840, -27.4522, 31.8491

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 154.0170, -75.9304, 87.6851 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(254, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 133, 0)  
}
```

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(254, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 133, 0) }
```

## Border

The CSS property to change the border of an element to YUV 154.0170, -75.9304, 87.6851 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(254, 133, 0) }
```

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

```
.border{ border-color:rgb(254, 133, 0) }
```

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

Here you see how a box with a 4 pixel rgb(254, 133, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 133,  
0) }
```



# Background

The CSS property to change the background color of an element to YUV 154.0170, -75.9304, 87.6851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 133, 0) }
```

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

```
.background{ background-color: rgb(254,  
133, 0) }
```

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