

# Converting Colors

YUV(118.9860, -58.6601,  
101.7443)

Have a look what the booklet for  
YUV(118.9860, -58.6601, 101.7443)  
contains.

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# Color

**YUV(118.9860, -58.6601,  
101.7443)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EB5300
RGB	235, 83, 0
RGB Percent	92%, 33%, 0%
CMY	0.0784, 0.6745, 1.0000
CMYK	0.00, 0.65, 1.00, 0.08
HSL	21°, 100%, 46%
HSV	21°, 100%, 92%
XYZ	37.3542, 23.8487, 2.6345
YIQ	118.9860, 117.2350, 6.4110

# Conversions

## Conversions Part 2

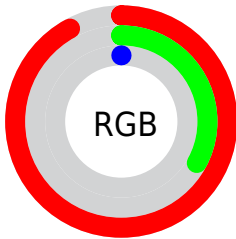
<b>Format</b>	<b>Color</b>
<b>RYB</b>	235, 128, 0
Decimal	15422208
CIELab	55.94, 56.18, 66.18
CIELCh	56, 86.808, 49.675
Yxy	23.8487, 0.5851, 0.3736
Android (android.graphics.Color)	4293612288 (0xFFEB5300)
YUV	118.9860, -58.6601, 101.7443
Hunter-Lab	48.8351, 51.0740, 30.9861

# Details

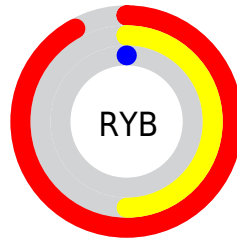
The YUV color **118.9860, -58.6601, 101.7443** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **116.0140, 58.6601, -101.7443**, and the grayscale version is **119.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **164.5470, -49.5697, 79.3273**, and **61.9830, -30.5576, 94.7309** is the 20% darker color. If you saturate the color by 10%, you get **118.9860, -58.6601, 101.7443**, and if you desaturate by 10%, it is **130.4130, -52.9546, 91.7228**.

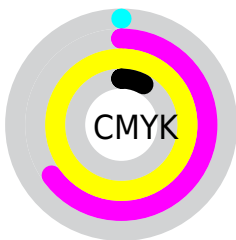
# Distribution



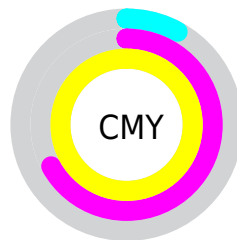
- Red (92%)
- Green (33%)
- Blue (0%)



- Red (92%)
- Yellow (50%)
- Blue (0%)



- Cyan (0%)
- Magenta (65%)
- Yellow (100%)
- Black (8%)



- Cyan (8%)
- Magenta (67%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 118.9860, -58.6601, 101.7443 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 118.9860, -58.6601, 101.7443 by changing the saturation by 10% instead.



118.9860,  
-58.6601, 101.7443

118.9860,  
-58.6601, 101.7443

255.0000, 0.0000,  
0.0000

92.0960, -45.4033,  
96.3858

164.5470,  
-49.5697, 79.3273

61.9830, -30.5576,  
94.7309

183.9470,  
-46.3159, 62.3135

41.2620, -20.3422,  
84.8392

204.0480,  
-42.9147, 44.6849

31.9930, -15.7725,  
65.7811

224.0350,  
-39.9503, 27.1563

23.0230, -11.3503,  
47.3378

244.2500,  
-36.1122, 9.4278


14.8790, -6.3493,  
29.9241


248.6160,


0.0000, 0.0000,


-24.4607, 5.5988

0.0000


 251.9220,  
-11.7935, 2.6994


 118.9860,  
-58.6601, 101.7443

 130.4130,  
-52.9546, 91.7228

 141.9540,  
-46.8123, 81.6013

 154.0820,  
-40.9594, 70.9651

 165.5090,  
-35.2539, 60.9436

 177.0500,  
-29.1117, 50.8221

■ 188.4770,  
-23.4062, 40.8007

■ 199.9040,  
-17.7007, 30.7792

■ 212.0320,  
-11.8478, 20.1429

■ 223.4590, -6.1423,  
10.1215

# Harmonies

## Analogous

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



100.4790, -5.6591, 135.5149



118.9860, -58.6601, 101.7443



126.6300, -62.4286, 50.3135

# Triad

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



118.9860, -58.6601, 101.7443



108.1240, -2.0331, -94.8247



107.5170, 72.7091, -81.1374

# Complementary

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



118.9860, -58.6601, 101.7443



116.0140, 58.6601, -101.7443

# 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.



117.7070, 67.6854, -103.2290



118.9860, -58.6601, 101.7443



118.3040, 31.8951, -103.7526

# Square

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



118.9860, -58.6601, 101.7443



93.6580, -42.2294, -82.1381



124.0670, 61.5920, -108.8068



134.1750, 48.7207, 53.3435



# Rectangle

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



118.9860, -58.6601, 101.7443



123.7520, -61.0097, 15.1265



124.0670, 61.5920, -108.8068



108.9020, 72.0263, -95.5071

# Sweetspot

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



118.9860, -58.6601, 101.7443



217.5730, -19.0165, 32.8235



87.7070, 32.1894, 129.1760



105.1460, -11.4110, 20.0430



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.



118.9860, -58.6601, 101.7443



129.0750, -63.6340, 110.4362



187.6650, -92.5188, 41.5128



111.6370, -2.7790, 4.7034



91.6870, -45.2017, 78.3275



27.2990, -13.4584, 23.4168

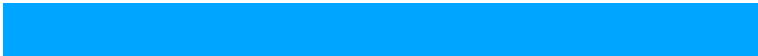


# Inverse Universe

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



116.0140, 58.6601, -101.7443



125.9250, 63.6340, -110.4362



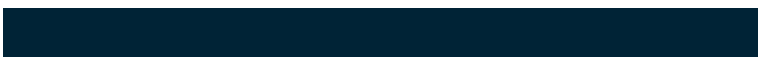
47.3350, 92.5188, -41.5128



111.3630, 2.7790, -4.7034



89.3130, 45.2017, -78.3275



26.7010, 13.4584, -23.4168



# Previews

## White Background



This preview shows how the YUV color 118.9860, -58.6601, 101.7443 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 118.9860, -58.6601, 101.7443 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 118.9860, -58.6601, 101.7443 Background



This preview shows how black text looks on a background with the YUV color 118.9860, -58.6601, 101.7443.



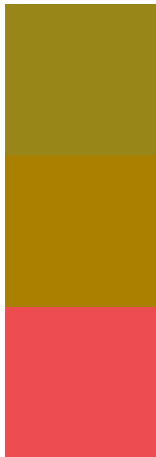
This preview shows how white text looks on a background with the YUV color 118.9860, -58.6601, 101.7443.



# 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

127.4290, -50.9905, 21.5488

### Deuteranopia

125.9660, -62.1012, 38.6178

### Tritanopia

125.2960, -21.8379, 97.9644

# Trichromacy



## Protanomaly

124.2200, -53.8455, 50.6731

## Deuteranomaly

123.7500, -61.0087, 61.6093

## Tritanomaly

122.8650, -34.9364, 99.2194

# Monochromacy



## Achromatopsia

119.0000, 0.0000, 0.0000

## Achromatomaly

119.0250, -21.2113, 36.8121

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 118.9860, -58.6601, 101.7443 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(235, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 83, 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(235, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 83, 0) }
```

## Border

The CSS property to change the border of an element to YUV 118.9860, -58.6601, 101.7443 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(235, 83, 0) }
```

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

```
.border{ border-color:rgb(235, 83, 0) }
```

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

Here you see how a box with a 4 pixel rgb(235, 83, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 83, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 83, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 83, 0)  
}
```



# Background

The CSS property to change the background color of an element to YUV 118.9860, -58.6601, 101.7443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 83, 0) }
```

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

```
.background{ background-color: rgb(235, 83,  
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](#).

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