

# Converting Colors

YUV(121.3340, -59.8177,  
99.6851)

Have a look what the booklet for  
YUV(121.3340, -59.8177, 99.6851)  
contains.

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# Color

**YUV(121.3340, -59.8177,  
99.6851)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EB5700
RGB	235, 87, 0
RGB Percent	92%, 34%, 0%
CMY	0.0784, 0.6588, 1.0000
CMYK	0.00, 0.63, 1.00, 0.08
HSL	22°, 100%, 46%
HSV	22°, 100%, 92%
XYZ	37.6691, 24.4786, 2.7395
YIQ	121.3340, 116.1350, 4.3190

# Conversions

## Conversions Part 2

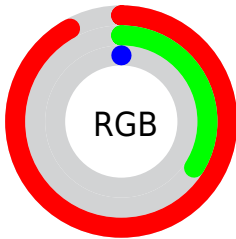
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 138, 0
Decimal	15423232
CIE <sub>Lab</sub>	56.56, 54.50, 66.51
CIE <sub>LCh</sub>	57, 85.981, 50.668
Yxy	24.4786, 0.5805, 0.3772
Android (android.graphics.Color)	4293613312 (0xFFEB5700)
YUV	121.3340, -59.8177, 99.6851
Hunter-Lab	49.4758, 49.3210, 31.3502

# Details

The YUV color **121.3340, -59.8177, 99.6851** 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 **113.6660, 59.8177, -99.6851**, and the grayscale version is **122.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **166.8950, -50.7272, 77.2681**, and **66.6790, -32.8727, 90.6125** is the 20% darker color. If you saturate the color by 10%, you get **121.3340, -59.8177, 99.6851**, and if you desaturate by 10%, it is **132.7610, -54.1122, 89.6636**.

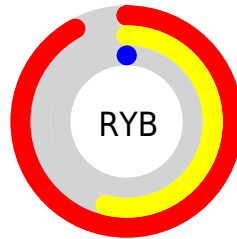
# Distribution



Red (92%)

Green (34%)

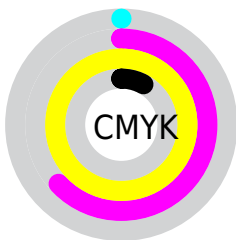
Blue (0%)



Red (92%)

Yellow (54%)

Blue (0%)

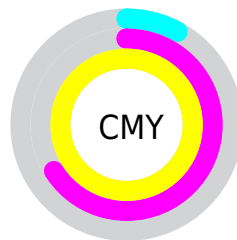


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (8%)



Cyan (8%)

Magenta (66%)

Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 121.3340, -59.8177, 99.6851 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 121.3340, -59.8177, 99.6851 by changing the saturation by 10% instead.




 121.3340,  
-59.8177, 99.6851


 121.3340,  
-59.8177, 99.6851


255.0000, 0.0000,  
0.0000

 95.0310, -46.8503,  
93.8118


 166.8950,  
-50.7272, 77.2681


 66.6790, -32.8727,  
90.6125


 186.4090,  
-47.0366, 60.1543

 41.2620, -20.3422,  
84.8392


 205.8090,  
-43.7828, 43.1405

 31.9930, -15.7725,  
65.7811

 225.9100,  
-40.3816, 25.5119

 23.0230, -11.3503,  
47.3378

 245.5380,  
-36.2542, 8.2982


 15.1780, -6.4968,  
30.5389


 248.7300,


 0.0000, 0.0000,

-24.0239, 5.4988


0.0000


 252.0360,  
-11.3567, 2.5994

 121.3340,  
-59.8177, 99.6851

 132.7610,  
-54.1122, 89.6636

 144.3020,  
-47.9699, 79.5421

 155.2560,  
-41.5382, 69.9355

 166.6830,  
-35.8327, 59.9140

 178.2240,  
-29.6904, 49.7926

■ 189.6510,  
-23.9849, 39.7711

■ 201.0780,  
-18.2795, 29.7496

■ 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.



106.2350, -8.9899, 130.4669



121.3340, -59.8177, 99.6851



127.8040, -63.0074, 49.2839

# Triad

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



121.3340, -59.8177, 99.6851



109.8680, -0.4279, -96.3542



117.9710, 67.5553, -61.3646

# Complementary

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



121.3340, -59.8177, 99.6851



113.6660, 59.8177, -99.6851

# 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.



118.2940, 67.3961, -103.7438



121.3340, -59.8177, 99.6851



119.3470, 33.3529, -104.6673

# Square

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



121.3340, -59.8177, 99.6851



96.2000, -37.5666, -84.3674



124.9960, 62.6130, -109.6215



136.1430, 47.2575, 56.0026



# Rectangle

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



121.3340, -59.8177, 99.6851



124.6270, -61.4411, 13.4821



124.9960, 62.6130, -109.6215



109.4890, 71.7369, -96.0219

# Sweetspot

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



121.3340, -59.8177, 99.6851



218.1600, -19.3059, 32.3087



87.2510, 30.4423, 129.5759



105.7330, -11.7004, 19.5282



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.



121.3340, -59.8177, 99.6851



131.4230, -64.7915, 108.3770



190.0130, -93.6764, 39.4536



111.6370, -2.7790, 4.7034



93.4480, -46.0699, 76.7831



27.8860, -13.7478, 22.9020



# Inverse Universe

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



113.6660, 59.8177, -99.6851



123.5770, 64.7915, -108.3770



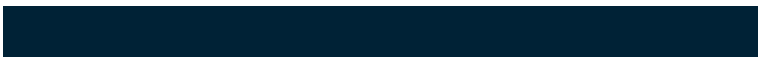
44.9870, 93.6764, -39.4536



111.3630, 2.7790, -4.7034



87.5520, 46.0699, -76.7831



26.1140, 13.7478, -22.9020



# Previews

## White Background



This preview shows how the YUV color 121.3340, -59.8177, 99.6851 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 121.3340, -59.8177, 99.6851 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 × Fail

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

# YUV 121.3340, -59.8177, 99.6851 Background



This preview shows how black text looks on a background with the YUV color 121.3340, -59.8177, 99.6851.



This preview shows how white text looks on a background with the YUV color 121.3340, -59.8177, 99.6851.



# 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

128.9020, -51.7167, 21.1339

### Deuteranopia

127.1510, -62.6854, 39.3326

### Tritanopia

128.2140, -20.8115, 95.4053

# Trichromacy



## Protanomaly

126.2800, -54.8610, 49.7434

## Deuteranomaly

125.2230, -61.7349, 61.1944

## Tritanomaly

125.5550, -34.7836, 96.8603

# Monochromacy



## Achromatopsia

121.0000, 0.0000, 0.0000

## Achromatomaly

121.1990, -21.7901, 35.7825

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 121.3340, -59.8177, 99.6851 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(235, 87, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 87, 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, 87, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 87, 0) }
```

## Border

The CSS property to change the border of an element to YUV 121.3340, -59.8177, 99.6851 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(235, 87, 0) }
```

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

```
.border{ border-color:rgb(235, 87, 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, 87, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 87, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 87, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 87, 0)  
}
```



# Background

The CSS property to change the background color of an element to YUV 121.3340, -59.8177, 99.6851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 87, 0) }
```

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

```
.background{ background-color: rgb(235, 87,  
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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