

# Converting Colors

YUV(129.8290, -64.0057,  
89.6040)

Have a look what the booklet for  
YUV(129.8290, -64.0057, 89.6040)  
contains.

<b>YUV(129.8290, -64.0057, 89.6040)</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(129.8290, -64.0057,  
89.6040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E86700
RGB	232, 103, 0
RGB Percent	91%, 40%, 0%
CMY	0.0902, 0.5961, 1.0000
CMYK	0.00, 0.56, 1.00, 0.09
HSL	27°, 100%, 45%
HSV	27°, 100%, 91%
XYZ	38.1290, 26.8563, 3.1742
YIQ	129.8290, 109.9470, -4.6850

# Conversions

## Conversions Part 2

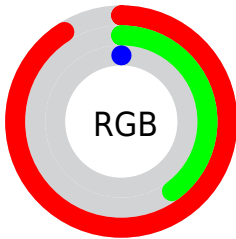
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 185, 0
Decimal	15230720
CIE Lab	58.84, 46.17, 67.48
CIE LCh	59, 81.764, 55.622
Yxy	26.8563, 0.5594, 0.3940
Android (android.graphics.Color)	4293420800 (0xFFE86700)
YUV	129.8290, -64.0057, 89.6040
Hunter-Lab	51.8231, 40.6415, 32.6446

# Details

The YUV color **129.8290, -64.0057, 89.6040** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **102.1710, 64.0057, -89.6040**, and the grayscale version is **130.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **176.0420, -53.7577, 69.2462**, and **79.5820, -39.2339, 77.5426** is the 20% darker color. If you saturate the color by 10%, you get **129.8290, -64.0057, 89.6040**, and if you desaturate by 10%, it is **140.0820, -57.7214, 80.6121**.

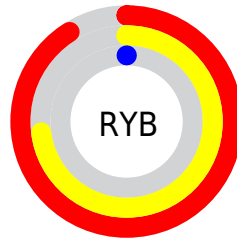
# Distribution



Red (91%)

Green (40%)

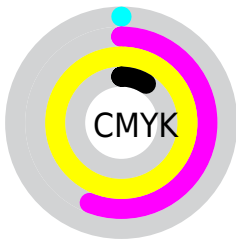
Blue (0%)



Red (91%)

Yellow (73%)

Blue (0%)

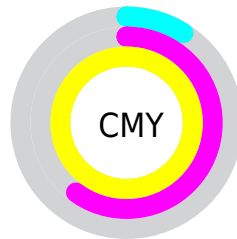


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (9%)



Cyan (9%)

Magenta (60%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 129.8290, -64.0057, 89.6040 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 129.8290, -64.0057, 89.6040 by changing the saturation by 10% instead.



129.8290,  
-64.0057, 89.6040

129.8290,  
-64.0057, 89.6040

255.0000, 0.0000,  
0.0000

104.9990,  
-51.7645, 83.3159

176.0420,  
-53.7577, 69.2462

79.5820, -39.2339,  
77.5426

195.5560,  
-50.0671, 52.1324

52.7030, -25.9826,  
73.9285

214.9560,  
-46.8133, 35.1186

31.6940, -15.6251,  
65.1664

235.1710,  
-42.9753, 17.3900

23.0230, -11.3503,  
47.3378

245.8800,  
-34.9438, 7.9982


15.4770, -6.6442,  
31.1537

249.1860,

0.0000, 0.0000,


-22.2767, 5.0989


0.0000


 252.3780,  
-10.0464, 2.2995


 129.8290,  
-64.0057, 89.6040

 140.0820,  
-57.7214, 80.6121

 150.3350,  
-51.4372, 71.6202

 160.7020,  
-44.7161, 62.5283

 170.9550,  
-38.4318, 53.5365

 181.2080,  
-32.1475, 44.5446

■ 190.8740,  
-25.5739, 36.0675

■ 201.1270,  
-19.2896, 27.0756

■ 211.4940,  
-12.5685, 17.9838

■ 221.7470, -6.2843,  
8.9919

# Harmonies

## Analogous

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



122.9160, -18.6926, 115.8377



129.8290, -64.0057, 89.6040



133.0650, -65.6010, 41.1620

# Triad

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



129.8290, -64.0057, 89.6040



115.5560, 6.1349, -101.3426



136.2100, 58.5635, -23.8632

# Complementary

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



129.8290, -64.0057, 89.6040



102.1710, 64.0057, -89.6040

# 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.



119.4680, 66.8173, -104.7734



129.8290, -64.0057, 89.6040



124.5790, 38.1686, -109.2558

# Square

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



129.8290, -64.0057, 89.6040



103.9570, -25.6148, -91.1703



127.6860, 62.7658, -111.9806



141.7760, 40.5364, 65.0944



# Rectangle

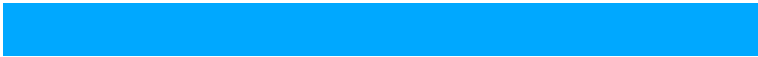
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



129.8290, -64.0057, 89.6040



128.7140, -63.4560, 6.3898



127.6860, 62.7658, -111.9806



110.0760, 71.4475, -96.5367

# Sweetspot

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



129.8290, -64.0057, 89.6040



221.0950, -20.7528, 29.7347



84.3020, 23.0221, 129.5311



107.4940, -12.5685, 17.9838



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.



129.8290, -64.0057, 89.6040



142.5760, -70.2900, 98.5958



196.7470, -96.9963, 30.9169



109.5230, -3.2158, 4.8033



99.8940, -49.2477, 69.3760



28.7500, -14.1738, 19.5132



# Inverse Universe

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



102.1710, 64.0057, -89.6040



112.4240, 70.2900, -98.5958



35.2530, 96.9963, -30.9169



108.4770, 3.2158, -4.8033



78.5190, 49.5371, -68.8612



22.2500, 14.1738, -19.5132



# Previews

## White Background



This preview shows how the YUV color 129.8290, -64.0057, 89.6040 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 129.8290, -64.0057, 89.6040 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 129.8290, -64.0057, 89.6040

## Background



This preview shows how black text looks on a background with the YUV color 129.8290, -64.0057, 89.6040.



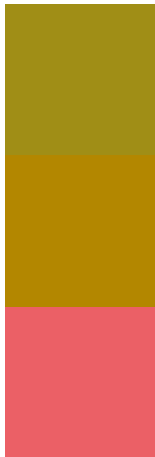
This preview shows how white text looks on a background with the YUV color 129.8290, -64.0057,



# 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

133.7020, -55.0691, 23.0633

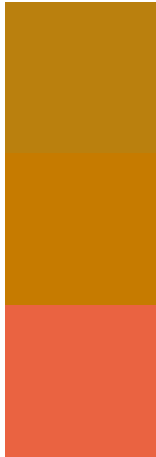
### Deuteranopia

132.7660, -65.4536, 40.5472

### Tritanopia

138.2450, -17.8688, 84.8541

# Trichromacy



## Protanomaly

132.3460, -58.3446, 47.0546

## Deuteranomaly

131.4030, -64.7817, 58.4056

## Tritanomaly

135.4890, -34.7511, 86.3941

# Monochromacy



## Achromatopsia

130.0000, 0.0000, 0.0000

## Achromatomaly

129.8350, -23.0897, 32.5937

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 129.8290, -64.0057, 89.6040 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(232, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 103, 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(232, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 103, 0) }
```

## Border

The CSS property to change the border of an element to YUV 129.8290, -64.0057, 89.6040 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(232, 103, 0) }
```

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

```
.border{ border-color:rgb(232, 103, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 103, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 103,  
0) }
```



# Background

The CSS property to change the background color of an element to YUV 129.8290, -64.0057, 89.6040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 103, 0) }
```

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

```
.background{ background-color: rgb(232,  
103, 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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