

# Converting Colors

YUV(117.9460, -58.1474,  
77.2234)

Have a look what the booklet for  
YUV(117.9460, -58.1474, 77.2234)  
contains.

<b>YUV(117.9460, -58.1474, 77.2234)</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(117.9460, -58.1474,  
77.2234)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CE6000
RGB	206, 96, 0
RGB Percent	81%, 38%, 0%
CMY	0.1922, 0.6235, 1.0000
CMYK	0.00, 0.53, 1.00, 0.19
HSL	28°, 100%, 40%
HSV	28°, 100%, 81%
XYZ	29.6365, 21.4876, 2.5855
YIQ	117.9460, 96.3760, -6.5360

# Conversions

## Conversions Part 2

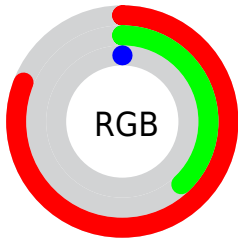
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	206, 180, 0
Decimal	13524992
CIE <sub>Lab</sub>	53.48, 39.57, 62.31
CIE <sub>LCh</sub>	53, 73.811, 57.579
Yxy	21.4876, 0.5518, 0.4001
Android (android.graphics.Color)	4291715072 (0xFFCE6000)
YUV	117.9460, -58.1474, 77.2234
Hunter-Lab	46.3547, 33.0018, 29.1413

# Details

The YUV color **117.9460, -58.1474, 77.2234** 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 **88.0540, 58.1474, -77.2234**, and the grayscale version is **118.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **171.0040, -52.7530, 73.6645**, and **69.4710, -34.2492, 65.3619** is the 20% darker color. If you saturate the color by 10%, you get **117.9460, -58.1474, 77.2234**, and if you desaturate by 10%, it is **126.7970, -52.1579, 69.4610**.

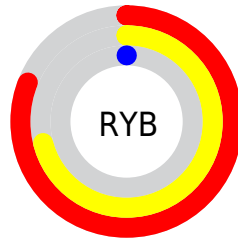
# Distribution



Red (81%)

Green (38%)

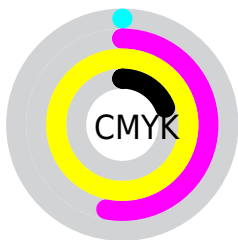
Blue (0%)



Red (81%)

Yellow (71%)

Blue (0%)

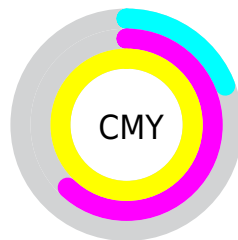


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (19%)



Cyan (19%)

Magenta (62%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 117.9460, -58.1474, 77.2234 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 117.9460, -58.1474, 77.2234 by changing the saturation by 10% instead.



■ 117.9460,  
-58.1474, 77.2234

■ 117.9460,  
-58.1474, 77.2234

■ 255.0000, 0.0000,  
0.0000

■ 94.0020, -46.3430,  
71.0352

■ 171.0040,  
-52.7530, 73.6645

■ 69.4710, -34.2492,  
65.3619

■ 189.8170,  
-49.2098, 57.1655

■ 44.6520, -22.0134,  
60.8182

■ 209.2170,  
-45.9560, 40.1517

■ 25.1160, -12.3822,  
51.6413

■ 228.7310,  
-42.2654, 23.0379

■ 17.0430, -8.4022,  
35.0423

■ 245.4240,  
-36.6910, 8.3982


■ 7.2900, -3.1010,  
14.6547

■ 248.6160,

■ 0.0000, 0.0000,

-24.4607, 5.5988

0.0000


 251.9220,  
-11.7935, 2.6994


 117.9460,  
-58.1474, 77.2234

 126.7970,  
-52.1579, 69.4610

 135.5340,  
-46.6053, 61.7987

 144.3850,  
-40.6158, 54.0364

 153.1220,  
-35.0631, 46.3740

 161.9730,  
-29.0737, 38.6117

■ 170.8240,  
-23.0842, 30.8494

■ 179.5610,  
-17.5316, 23.1870

■ 188.4120,  
-11.5421, 15.4247

■ 197.1490, -5.9895,  
7.7623

# Harmonies

## Analogous

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



114.6820, -20.5492, 104.6419



117.9460, -58.1474, 77.2234



119.7420, -59.0328, 34.4293

# Triad

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



117.9460, -58.1474, 77.2234



104.7790, 7.9970, -91.8912



126.5100, 56.9366, -15.3563

# Complementary

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



117.9460, -58.1474, 77.2234



88.0540, 58.1474, -77.2234

# 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.



110.0760, 71.4475, -96.5367



117.9460, -58.1474, 77.2234



112.0750, 35.9520, -98.2898

# Square

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



117.9460, -58.1474, 77.2234



94.6790, -20.5477, -83.0335



115.4270, 58.9495, -101.2295



127.4460, 34.2901, 61.8759



# Rectangle

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



117.9460, -58.1474, 77.2234



115.7120, -57.0460, 3.7606



115.4270, 58.9495, -101.2295



113.5580, 67.2659, -61.8794

# Sweetspot

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



117.9460, -58.1474, 77.2234



222.2690, -21.3316, 28.7051



74.4760, 18.9923, 115.3465



108.0810, -12.8579, 17.4690



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.



117.9460, -58.1474, 77.2234



146.0980, -72.0263, 95.5071



176.6460, -87.0865, 25.7435



97.9250, -2.9210, 3.5738



94.8330, -46.7527, 62.4135



21.9280, -10.8105, 14.0951



# Inverse Universe

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



88.0540, 58.1474, -77.2234



108.9020, 72.0263, -95.5071



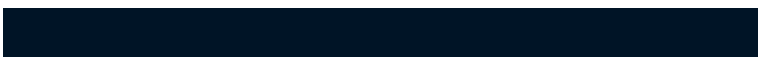
29.3540, 87.0865, -25.7435



96.0750, 2.9210, -3.5738



71.1670, 46.7527, -62.4135



16.0720, 10.8105, -14.0951



# Previews

## White Background



This preview shows how the YUV color 117.9460, -58.1474, 77.2234 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 117.9460, -58.1474, 77.2234 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 117.9460, -58.1474, 77.2234 Background



This preview shows how black text looks on a background with the YUV color 117.9460, -58.1474, 77.2234.



This preview shows how white text looks on a background with the YUV color 117.9460, -58.1474,



# 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

121.2440, -50.4063, 20.8340

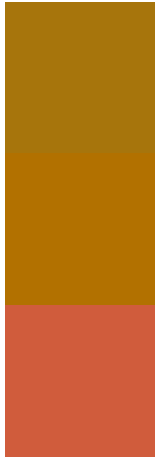
### Deuteranopia

120.0520, -59.1856, 36.7884

### Tritanopia

125.5640, -15.0681, 73.1734

# Trichromacy



## Protanomaly

119.9800, -53.2341, 41.2365

## Deuteranomaly

119.5530, -58.9396, 51.2580

## Tritanomaly

123.0360, -31.0767, 74.5134

# Monochromacy



## Achromatopsia

118.0000, 0.0000, 0.0000

## Achromatomaly

117.9700, -21.1842, 28.0903

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 117.9460, -58.1474, 77.2234 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(206, 96, 0)` looks like.

```
.text, #text, p{  
    color:rgb(206, 96, 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(206, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 96, 0) }
```

## Border

The CSS property to change the border of an element to YUV 117.9460, -58.1474, 77.2234 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(206, 96, 0) }
```

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

```
.border{ border-color:rgb(206, 96, 0) }
```

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

Here you see how a box with a 4 pixel rgb(206, 96, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 96, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 96, 0);  
box-shadow:4px 4px 4px 4px rgb(206, 96, 0)  
}
```



# Background

The CSS property to change the background color of an element to YUV 117.9460, -58.1474, 77.2234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 96, 0) }
```

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

```
.background{ background-color: rgb(206, 96,  
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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