

# Converting Colors

YUV(117.0360, -57.6987,  
120.1174)

Have a look what the booklet for  
YUV(117.0360, -57.6987, 120.1174)  
contains.

<b>YUV(117.0360, -57.6987, 120.1174)</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> .....	31

# Color

**YUV(117.0360, -57.6987,  
120.1174)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE4600
RGB	254, 70, 0
RGB Percent	100%, 27%, 0%
CMY	0.0039, 0.7255, 1.0000
CMYK	0.00, 0.72, 1.00, 0.00
HSL	17°, 100%, 50%
HSV	17°, 100%, 100%
XYZ	43.0632, 25.4511, 2.6429
YIQ	117.0360, 132.1340, 17.2380

# Conversions

## Conversions Part 2

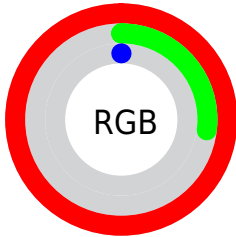
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	254, 97, 0
Decimal	16664064
CIE <sub>Lab</sub>	57.51, 67.16, 68.84
CIE <sub>LCh</sub>	58, 96.173, 45.706
Yxy	25.4511, 0.6052, 0.3577
Android (android.graphics.Color)	4294854144 (0xFFFE4600)
YUV	117.0360, -57.6987, 120.1174
Hunter-Lab	50.4491, 64.0810, 32.2084

# Details

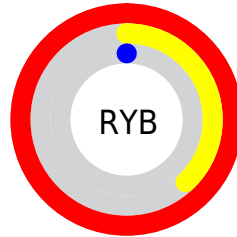
The YUV color **117.0360, -57.6987, 120.1174** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **136.9640, 57.6987, -120.1174**, and the grayscale version is **118.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **159.2640, -46.9652, 83.9605**, and **56.2120, -27.7125, 115.5781** is the 20% darker color. If you saturate the color by 10%, you get **117.0360, -57.6987, 120.1174**, and if you desaturate by 10%, it is **130.4520, -51.9878, 108.3516**.

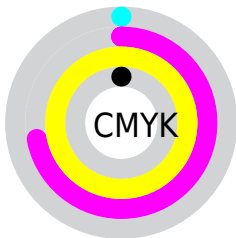
# Distribution



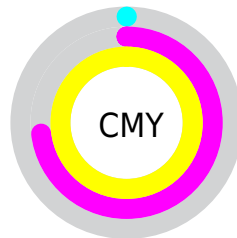
- Red (100%)
- Green (27%)
- Blue (0%)



- Red (100%)
- Yellow (38%)
- Blue (0%)



- Cyan (0%)
- Magenta (72%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (73%)
- Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 117.0360, -57.6987, 120.1174 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 117.0360, -57.6987, 120.1174 by changing the saturation by 10% instead.





 117.0360,  
-57.6987, 120.1174

 117.0360,  
-57.6987, 120.1174


255.0000, 0.0000,  
0.0000


 86.0370, -42.4162,  
118.3626


 159.2640,  
-46.9652, 83.9605

 56.2120, -27.7125,  
115.5781


 179.2510,  
-44.0007, 66.4319


 46.3450, -22.8481,  
95.2904


 199.8250,  
-41.3257, 48.3885

 36.7770, -18.1311,  
75.6176

 219.9260,  
-37.9245, 30.7599

 27.3230, -12.9772,  
55.8447

 240.7280,  
-34.3759, 12.5165


 18.8800, -7.8288,  
37.8162

 248.6160,


 7.8880, -3.3958,


-24.4607, 5.5988


15.8842

 251.8080,  
-12.2303, 2.7994


 0.0000, 0.0000,  
0.0000


 117.0360,  
-57.6987, 120.1174

 130.4520,  
-51.9878, 108.3516

 144.5690,  
-46.1295, 95.9710

 157.9850,  
-40.4186, 84.2052

 172.1020,  
-34.5603, 71.8245

 185.5180,  
-28.8494, 60.0587

■ 198.9340,  
-23.1385, 48.2929

■ 213.0510,  
-17.2801, 35.9123

■ 226.4670,  
-11.5692, 24.1464

■ 240.5840, -5.7109,  
11.7658

# Harmonies

## Analogous

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



87.5310, 5.6542, 146.8703



117.0360, -57.6987, 120.1174



130.2400, -64.2083, 61.1795

# Triad

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



117.0360, -57.6987, 120.1174



110.3920, -8.5743, -96.8138



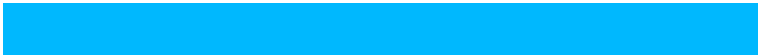
107.7280, 72.6051, -94.4775

# Complementary

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



117.0360, -57.6987, 120.1174



136.9640, 57.6987, -120.1174

# 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.



122.9900, 65.0809, -107.8622



117.0360, -57.6987, 120.1174



121.7120, 29.7220, -106.7414

# Square

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



117.0360, -57.6987, 120.1174



95.6810, -47.1707, -83.9122



129.4470, 61.8976, -113.5250



137.5470, 57.9043, 47.7553



# Rectangle

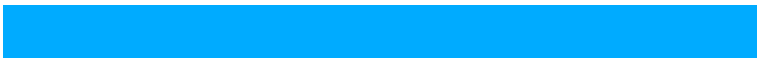
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



117.0360, -57.6987, 120.1174



128.2260, -63.2154, 22.6038



129.4470, 61.8976, -113.5250



114.1850, 69.4218, -100.1402

# Sweetspot

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



117.0360, -57.6987, 120.1174



214.0510, -17.2801, 35.9123



97.1500, 43.8030, 137.5574



102.7980, -10.2534, 22.1022



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.



117.0360, -57.6987, 120.1174



117.3350, -57.8462, 120.7322



190.4110, -93.8726, 55.7676



120.6480, -2.7845, 6.4477



88.2200, -43.4925, 90.1381



29.7020, -14.6431, 30.0793

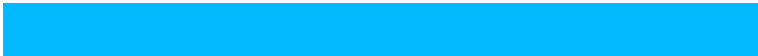


# Inverse Universe

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



136.9640, 57.6987, -120.1174



137.6650, 57.8462, -120.7322



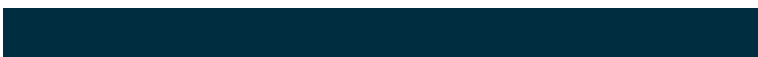
63.5890, 93.8726, -55.7676



121.7650, 3.0739, -5.9329



103.3670, 43.2031, -90.6529



34.2980, 14.6431, -30.0793



# Previews

## White Background



This preview shows how the YUV color 117.0360, -57.6987, 120.1174 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 117.0360, -57.6987, 120.1174 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 117.0360, -57.6987, 120.1174 Background



This preview shows how black text looks on a background with the YUV color 117.0360, -57.6987, 120.1174.



This preview shows how white text looks on a background with the YUV color 117.0360, -57.6987, 120.1174.



# 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



### Original Color

117.0360, -57.6987, 120.1174

### Protanopia

131.4290, -50.9905, 21.5488

### Deuteranopia

129.8090, -63.9958, 39.6325



**Tritanopia**

122.1520, -26.6969, 116.5077

# Trichromacy



## Original Color

117.0360, -57.6987, 120.1174

## Protanomaly

126.3780, -53.4304, 57.5505

## Deuteranomaly

124.9790, -61.6146, 69.3014

## Tritanomaly

120.4760, -38.1957, 117.9775

# Monochromacy



## Original Color

117.0360, -57.6987, 120.1174

## Achromatopsia

117.0000, 0.0000, 0.0000

## Achromatomaly

117.0690, -21.2330, 43.7895

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 117.0360, -57.6987, 120.1174 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, 70, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 70, 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, 70, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 70, 0) }
```

## Border

The CSS property to change the border of an element to YUV 117.0360, -57.6987, 120.1174 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, 70, 0) }
```



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

```
.border{ border-color:rgb(254, 70, 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, 70, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 70, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 70, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 70, 0)  
}
```

# Background

The CSS property to change the background color of an element to YUV 117.0360, -57.6987, 120.1174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 70, 0) }
```

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

```
.background{ background-color: rgb(254, 70,  
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