

# Converting Colors

HunterLab(51.5606, 45.6587,  
32.5708)

Have a look what the booklet for  
HunterLab(51.5606, 45.6587,  
32.5708) contains.

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# Color

**HunterLab(51.5305, 45.6083,  
32.5513)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ED6100
RGB	237, 97, 0
RGB Percent	93%, 38%, 0%
CMY	0.0706, 0.6196, 1.0000
CMYK	0.00, 0.59, 1.00, 0.07
HSL	25°, 100%, 46%
HSV	25°, 100%, 93%
XYZ	39.1997, 26.5539, 3.0594
YIQ	127.8020, 114.5770, -0.4870

# Conversions

## Conversions Part 2

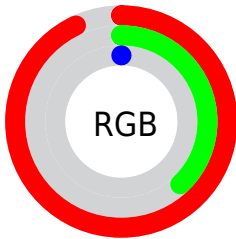
Format	Color
R <sub>Y</sub> B	237, 164, 0
Decimal	15556864
CIE Lab	58.56, 50.80, 67.75
CIE LCh	59, 84.677, 53.136
Yxy	26.5554, 0.5696, 0.3859
Android (android.graphics.Color)	4293746944 (0xFFED6100)
YUV	127.8020, -63.0064, 95.7666
Hunter-Lab	51.5305, 45.6083, 32.5513

# Details

The HunterLab color **51.5305, 45.6083, 32.5513** 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 **49.8692, 1.0085, -64.5087**, and the grayscale version is **46.5926, -2.4861, 2.5315**.

A 20% lighter version of the original color is **66.1714, 27.9518, 36.6456**, and **32.4656, 42.4898, 20.7490** is the 20% darker color. If you saturate the color by 10%, you get **51.5313, 45.6054, 32.5518**, and if you desaturate by 10%, it is **54.2585, 39.1796, 33.1929**.

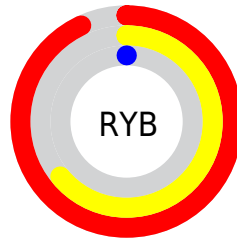
# Distribution



Red (93%)

Green (38%)

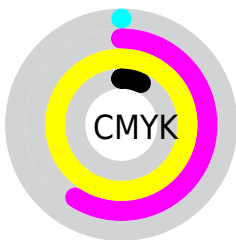
Blue (0%)



Red (93%)

Yellow (64%)

Blue (0%)

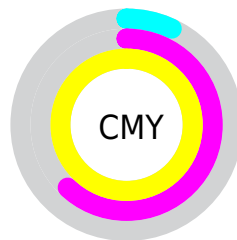


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (62%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 51.5305, 45.6083, 32.5513 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 HunterLab color 51.5305, 45.6083, 32.5513 by changing the saturation by 10% instead.



51.5305, 45.6083,  
32.5513

51.5305, 45.6083,  
32.5513

168.9669, 57.0823,  
70.1623

41.5206, 43.8308,  
27.4576

73.6000, 48.8179,  
42.0339

32.2575, 41.9535,  
22.5803

85.5785, 50.2657,  
46.4685

23.8089, 40.0022,  
16.6662

98.1444, 51.6149,  
50.7324

16.2624, 38.0762,  
11.3837

111.2715, 52.8717,  
54.8477

9.7425, 36.5178,  
6.8198

124.9366, 54.0418,  
58.8333

0.0000, INF, NaN

0.0000, INF, NaN

139.1194, 55.1304,

62.7054

0.0000, NaN, NaN

153.8017, 56.1425,  
66.4778

0.0000, NaN, NaN

51.5305, 45.6083,  
32.5513

51.5305, 45.6083,  
32.5513

51.5313, 45.6054,  
32.5518

54.2585, 39.1796,  
33.1929

57.3429, 32.8198,  
33.0838

60.7684, 26.7162,  
32.0793

64.5071, 20.9695,  
30.2078

68.5303, 15.6322,  
27.5366

■ 72.8103, 10.7224,  
24.1481

■ 77.3216, 6.2356,  
20.1260

■ 82.0412, 2.1527,  
15.5487

■ 86.9489, -1.5528,  
10.4859

# Harmonies

## Analogous

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



51.5320, 77.4368, 22.5269



51.5305, 45.6083, 32.5513



51.5320, 5.7690, 34.6941

# Triad

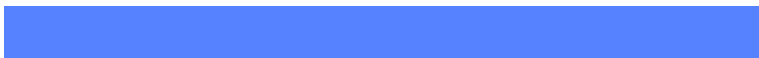
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.5320, 45.6038, 32.5519



51.5320, -54.9808, 10.0590



51.5320, 27.3093, -101.6572

# Complementary

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



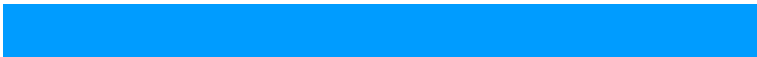
51.5305, 45.6083, 32.5513



49.8692, 1.0085, -64.5087

# 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.



51.5320, -10.7537, -114.4519



51.5305, 45.6083, 32.5513



51.5320, -52.1474, -30.2876

# Square

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



51.5320, 45.6038, 32.5519



51.5320, -47.2062, 28.7113



51.5320, -38.0026, -82.3781



51.5320, 65.0118, -54.2697



# Rectangle

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



51.5305, 45.6083, 32.5513



51.5320, -17.5366, 34.5391



51.5320, -38.0026, -82.3781



51.5320, 13.9129, -111.0604

# Sweetspot

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



51.5320, 45.6038, 32.5519



83.9612, 6.8324, 21.9269



44.6806, 80.9006, -5.1161



37.8714, 4.0914, 11.0351

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.5320, 45.6038, 32.5519



55.8892, 49.8379, 35.3111



81.0826, -12.4608, 49.7444



40.0831, -0.8004, 4.6884



38.3946, 32.8748, 24.2341



11.5870, 7.1846, 7.2656

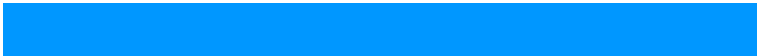


# Inverse Universe

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



49.8692, 1.0085, -64.5087



54.0677, 1.3094, -70.4065



25.9915, 61.6951, -165.6683



40.0350, -3.3126, -0.4496



37.2050, 0.1288, -46.7811



11.2935, -1.3978, -11.0984



# Previews

## White Background



This preview shows how the HunterLab color 51.5305, 45.6083, 32.5513 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 HunterLab color 51.5305, 45.6083, 32.5513 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](#).

# HunterLab 51.5305, 45.6083, 32.5513 Background



This preview shows how black text looks on a background with the HunterLab color 51.5305, 45.6083, 32.5513.



This preview shows how white text looks on a background with the HunterLab color 51.5305, 45.6083,



# 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

51.5305, 45.6083, 32.5513

### Protanopia

51.7482, -7.3403, 30.8298

### Deuteranopia

51.4929, 3.0849, 31.7837



## Tritanopia

51.4855, 53.3094, 19.9146

# Trichromacy



## Original Color

51.5305, 45.6083, 32.5513

## Protanomaly

50.5183, 10.6708, 30.7855

## Deuteranomaly

50.8103, 17.8461, 31.6215

## Tritanomaly

51.3252, 49.3514, 27.3903

# Monochromacy



## Original Color

51.5305, 45.6083, 32.5513

## Achromatopsia

46.4608, -2.4790, 2.5243

## Achromatomaly

46.5204, 10.6585, 18.9309

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 51.5305, 45.6083, 32.5513 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(237, 97, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 97, 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(237, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 97, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 51.5305, 45.6083, 32.5513 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(237, 97, 0) }
```



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

```
.border{ border-color:rgb(237, 97, 0) }
```

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

Here you see how a box with a 4 pixel rgb(237, 97, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 97, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 97, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 97, 0)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 51.5305, 45.6083, 32.5513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 97, 0) }
```

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

```
.background{ background-color: rgb(237, 97,  
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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