

# Converting Colors

HunterLab(50.0407, 57.4675,  
31.2937)

Have a look what the booklet for  
HunterLab(50.0407, 57.4675,  
31.2937) contains.

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# Color

**HunterLab(49.8956, 57.4513,  
31.2142)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F54E0F
RGB	245, 78, 15
RGB Percent	96%, 31%, 6%
CMY	0.0392, 0.6941, 0.9412
CMYK	0.00, 0.68, 0.94, 0.04
HSL	16°, 92%, 51%
HSV	16°, 94%, 96%
XYZ	40.4668, 24.8957, 3.1244
YIQ	120.7510, 119.7550, 15.8110

# Conversions

## Conversions Part 2

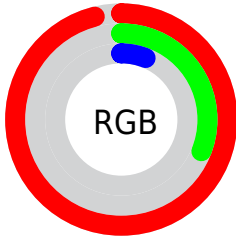
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 102, 15
Decimal	16076303
CIE <sub>Lab</sub>	56.98, 61.60, 64.59
CIE <sub>LCh</sub>	57, 89.252, 46.356
Yxy	24.8972, 0.5909, 0.3635
Android (android.graphics.Color)	4294266383 (0xFFFF54E0F)
YUV	120.7510, -52.1352, 108.9664
Hunter-Lab	49.8956, 57.4513, 31.2142

# Details

The HunterLab color **49.8956, 57.4513, 31.2142** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **63.3610, -16.7753, -42.0860**, and the grayscale version is **43.7953, -2.3368, 2.3795**.

A 20% lighter version of the original color is **62.4843, 36.4631, 33.4844**, and **31.1501, 53.3455, 20.1285** is the 20% darker color. If you saturate the color by 10%, you get **48.4156, 61.5293, 30.9106**, and if you desaturate by 10%, it is **52.8122, 50.1935, 31.2171**.

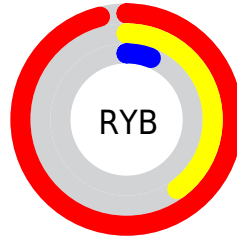
# Distribution



Red (96%)

Green (31%)

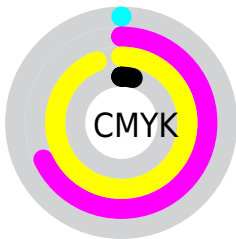
Blue (6%)



Red (96%)

Yellow (40%)

Blue (6%)

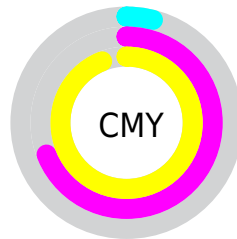


Cyan (0%)

Magenta (68%)

Yellow (94%)

Black (4%)



Cyan (4%)

Magenta (69%)

Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 49.8956, 57.4513, 31.2142 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 49.8956, 57.4513, 31.2142 by changing the saturation by 10% instead.



49.8956, 57.4513,  
31.2142

49.8956, 57.4513,  
31.2142

166.5309, 72.1393,  
67.4627

40.0006, 55.3438,  
26.2829

71.7568, 61.3773,  
40.3684

30.8618, 53.1869,  
21.6032

83.6395, 63.1921,  
44.6423

22.5496, 51.0617,  
15.7847

96.1141, 64.9075,  
48.7496

15.1563, 49.2060,  
10.6094

109.1538, 66.5273,  
52.7126

8.7874, 48.6382,  
6.1512

122.7350, 68.0559,  
56.5505


0.0000, INF, NaN

0.0000, INF, NaN


136.8370, 69.4978,

60.2794


0.0000, NaN, NaN


 151.4413, 70.8576,  
63.9130


0.0000, NaN, NaN


 49.8956, 57.4513,  
31.2142


 49.8956, 57.4513,  
31.2142


 48.4156, 61.5293,  
30.9106

 52.8122, 50.1935,  
31.2171

 56.3243, 42.6250,  
30.3467

 60.3812, 35.0637,  
28.6472

 64.9240, 27.7278,  
26.2236

 69.8946, 20.7436,  
23.1951

75.2397, 14.1683,  
19.6733

80.9123, 8.0137,  
15.7523

86.8722, 2.2644,  
11.5080

93.0855, -3.1092,  
7.0000

# Harmonies

## Analogous

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



49.8971, 87.0149, 18.4205



49.8956, 57.4513, 31.2142



49.8971, 15.4970, 33.9726

# Triad

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



49.8971, 57.4463, 31.2149



49.8971, -55.1584, 16.3316



49.8971, 19.2921, -117.9895

# Complementary

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



49.8956, 57.4513, 31.2142



63.3610, -16.7753, -42.0860

# 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.



49.8971, -18.5515, -120.3732



49.8956, 57.4513, 31.2142



49.8971, -54.6932, -20.7005

# Square

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



49.8971, 57.4463, 31.2149



49.8971, -44.8372, 30.6447



49.8971, -43.2964, -76.7105



49.8971, 60.9217, -71.5397



# Rectangle

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



49.8956, 57.4513, 31.2142



49.8971, -10.3944, 34.1363



49.8971, -43.2964, -76.7105



49.8971, 5.5654, -124.7320

# Sweetspot

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



49.8971, 57.4463, 31.2149



82.1533, 11.0278, 18.2467



48.1672, 87.8199, -24.3761



36.8286, 6.4022, 9.2531

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



49.8971, 57.4463, 31.2149



50.6188, 64.5362, 32.3209



75.4016, 1.6725, 46.1359



41.4984, -0.0645, 4.4283



35.8124, 44.3407, 22.8437



11.3654, 11.0386, 7.1966

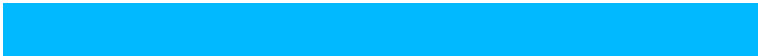


# Inverse Universe

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



63.3610, -16.7753, -42.0860



64.7898, -15.7742, -46.9297



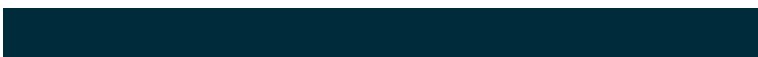
33.0298, 43.7219, -133.9474



42.3617, -4.2257, 0.0767



45.7410, -11.5036, -32.3392



14.1764, -4.2956, -8.4464



# Previews

## White Background



This preview shows how the HunterLab color 49.8956, 57.4513, 31.2142 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 49.8956, 57.4513, 31.2142 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 49.8956, 57.4513, 31.2142 Background



This preview shows how black text looks on a background with the HunterLab color 49.8956, 57.4513, 31.2142.



This preview shows how white text looks on a background with the HunterLab color 49.8956, 57.4513,



# 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

49.8956, 57.4513, 31.2142

### Protanopia

49.8601, -6.6352, 29.0659

### Deuteranopia

49.8493, 3.0578, 30.7704



## Tritanopia

49.8796, 61.9144, 23.6920

# Trichromacy



## Original Color

49.8956, 57.4513, 31.2142

## Protanomaly

48.0893, 15.7459, 28.7741

## Deuteranomaly

48.4994, 22.8346, 30.1094

## Tritanomaly

49.8912, 60.0521, 27.6465

# Monochromacy



## Original Color

49.8956, 57.4513, 31.2142

## Achromatopsia

43.7266, -2.3331, 2.3758

## Achromatomaly

43.3813, 15.8420, 16.0986

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 49.8956, 57.4513, 31.2142 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(245, 78, 15)` looks like.

```
.text, #text, p{  
    color:rgb(245, 78, 15)  
}
```

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(245, 78, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 78, 15) }
```

## Border

The CSS property to change the border of an element to HunterLab 49.8956, 57.4513, 31.2142 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(245, 78, 15) }
```



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

```
.border{ border-color:rgb(245, 78, 15) }
```

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

Here you see how a box with a 4 pixel rgb(245, 78, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 78, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 78, 15);  
box-shadow:4px 4px 4px 4px rgb(245, 78,  
15) }
```

# Background

The CSS property to change the background color of an element to HunterLab 49.8956, 57.4513, 31.2142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 78, 15) }
```

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

```
.background{ background-color: rgb(245, 78,  
15) }
```

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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