

# Converting Colors

HunterLab(57.8614, 44.9899,  
36.0599)

Have a look what the booklet for  
HunterLab(57.8614, 44.9899,  
36.0599) contains.

<b>HunterLab(57.9228, 44.8407, 36.0870)</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

**HunterLab(57.9228, 44.8407,  
36.0870)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF730D
RGB	255, 115, 13
RGB Percent	100%, 45%, 5%
CMY	0.0000, 0.5490, 0.9490
CMYK	0.00, 0.55, 0.95, 0.00
HSL	25°, 100%, 53%
HSV	25°, 95%, 100%
XYZ	47.4433, 33.5505, 4.3561
YIQ	145.2320, 116.1820, -2.0420

# Conversions

## Conversions Part 2

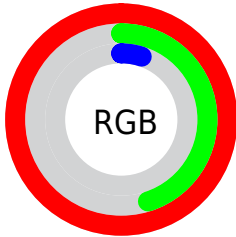
Format	Color
R <sub>Y</sub> B	255, 189, 13
Decimal	16741133
CIE Lab	64.61, 49.19, 70.57
CIE LCh	65, 86.022, 55.121
Yxy	33.5524, 0.5559, 0.3931
Android (android.graphics.Color)	4294931213 (0xFFFF730D)
YUV	145.2320, -65.1904, 96.2665
Hunter-Lab	57.9228, 44.8407, 36.0870

# Details

The HunterLab color **57.9228, 44.8407, 36.0870** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **54.8517, 0.3564, -68.4563**, and the grayscale version is **53.5274, -2.8561, 2.9082**.

A 20% lighter version of the original color is **71.0756, 18.4785, 38.5671**, and **37.7950, 42.0305, 24.0249** is the 20% darker color. If you saturate the color by 10%, you get **56.4593, 48.3610, 35.6366**, and if you desaturate by 10%, it is **61.0775, 37.9206, 36.4776**.

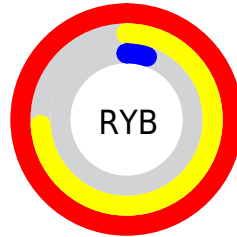
# Distribution



Red (100%)

Green (45%)

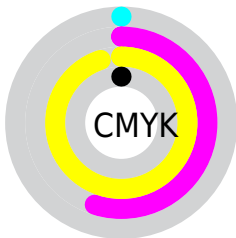
Blue (5%)



Red (100%)

Yellow (74%)

Blue (5%)

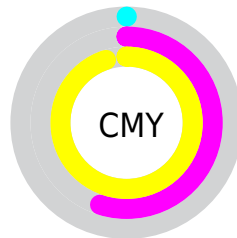


Cyan (0%)

Magenta (55%)

Yellow (95%)

Black (0%)



Cyan (0%)

Magenta (55%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 57.9228, 44.8407, 36.0870 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 57.9228, 44.8407, 36.0870 by changing the saturation by 10% instead.



57.9228, 44.8407,  
36.0870

57.9228, 44.8407,  
36.0870

178.3624, 55.3527,  
74.2900

47.4868, 43.1845,  
30.9646

80.7694, 47.8088,  
45.6565

37.7645, 41.4203,  
25.7395

93.1064, 49.1413,  
50.1489

28.8146, 39.5537,  
20.1702

106.0144, 50.3796,  
54.4777

20.7107, 37.6264,  
14.4975

119.4693, 51.5297,  
58.6633

13.5524, 35.7796,  
9.4867

133.4497, 52.5973,  
62.7233

7.1406, 37.4670,  
4.9984

147.9364, 53.5873,

0.0000, INF, NaN

66.6728

0.0000, NaN, NaN

162.9125, 54.5044,  
70.5247

0.0000, NaN, NaN

57.9228, 44.8407,  
36.0870

57.9228, 44.8407,  
36.0870

56.4593, 48.3610,  
35.6366

61.0775, 37.9206,  
36.4776

64.6003, 31.2304,  
35.9004

68.4665, 24.8985,  
34.3432

72.6468, 18.9999,  
31.8581

77.1122, 13.5672,  
28.5261

81.8352, 8.6042,  
24.4373

86.7907, 4.0957,  
19.6797

91.9562, 0.0160,  
14.3345

97.3118, -3.6665,  
8.4735

# Harmonies

## Analogous

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



57.9244, 78.9185, 25.5640



57.9228, 44.8407, 36.0870



57.9244, 3.2457, 38.4417

# Triad

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



57.9244, 44.8360, 36.0877



57.9244, -59.3573, 8.7529



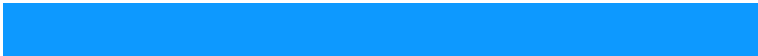
57.9244, 31.2664, -101.5319

# Complementary

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



57.9228, 44.8407, 36.0870



54.8517, 0.3564, -68.4563

# 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.



57.9244, -9.1719, -117.4736



57.9228, 44.8407, 36.0870



57.9244, -55.4754, -34.7506

# Square

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



57.9244, 44.8360, 36.0877



57.9244, -51.6365, 30.4639



57.9244, -39.2041, -87.6324



57.9244, 69.7745, -52.2669



# Rectangle

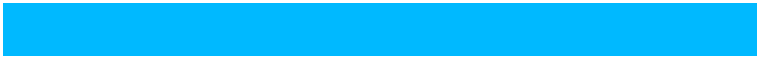
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.9228, 44.8407, 36.0870



57.9244, -20.9321, 38.1094



57.9244, -39.2041, -87.6324



57.9244, 17.2041, -111.9135

# Sweetspot

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



57.9244, 44.8360, 36.0877



85.2310, 5.4466, 21.2216



48.8739, 86.9685, -5.5386



38.4434, 3.4220, 10.7652

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



57.9244, 44.8360, 36.0877



56.4595, 48.3612, 35.6367



89.7831, -16.0174, 54.7919



43.8696, -0.9335, 5.1967



41.1539, 34.0843, 25.9555



13.6367, 8.6913, 8.5550

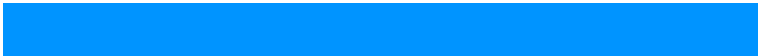


# Inverse Universe

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



54.8517, 0.3564, -68.4563



53.1489, 2.9214, -72.7380



28.9878, 64.8195, -174.5069



43.7302, -3.5613, -0.5712



38.8102, 1.4230, -51.5813



12.9728, -1.0157, -14.0223



# Previews

## White Background



This preview shows how the HunterLab color 57.9228, 44.8407, 36.0870 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 57.9228, 44.8407, 36.0870 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

## HunterLab 57.9228, 44.8407, 36.0870 Background



This preview shows how black text looks on a background with the HunterLab color 57.9228, 44.8407, 36.0870.



This preview shows how white text looks on a background with the HunterLab color 57.9228, 44.8407,



# 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

57.9228, 44.8407, 36.0870

### Protanopia

58.2065, -8.1558, 34.6676

### Deuteranopia

57.8798, 3.6772, 35.7296



## Tritanopia

58.0283, 52.1574, 19.7876

# Trichromacy



## Original Color

57.9228, 44.8407, 36.0870

## Protanomaly

56.9061, 10.1836, 34.4527

## Deuteranomaly

57.4128, 18.2516, 35.5488

## Tritanomaly

57.8039, 48.4442, 28.8792

# Monochromacy



## Original Color

57.9228, 44.8407, 36.0870

## Achromatopsia

53.2117, -2.8392, 2.8911

## Achromatomaly

53.1296, 10.1338, 20.2951

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 57.9228, 44.8407, 36.0870 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(255, 115, 13)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 13)  
}
```

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(255, 115, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 13) }
```

## Border

The CSS property to change the border of an element to HunterLab 57.9228, 44.8407, 36.0870 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(255, 115, 13) }
```



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

```
.border{ border-color:rgb(255, 115, 13) }
```

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

Here you see how a box with a 4 pixel rgb(255, 115, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 13);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
13) }
```

# Background

The CSS property to change the background color of an element to HunterLab 57.9228, 44.8407, 36.0870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 13) }
```

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

```
.background{ background-color: rgb(255,  
115, 13) }
```

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