

# Converting Colors

HunterLab(49.5652, 67.7342,  
31.7276)

Have a look what the booklet for  
HunterLab(49.5652, 67.7342,  
31.7276) contains.

<b>HunterLab(49.5959, 67.6397, 31.7449)</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(49.5959, 67.6397,  
31.7449)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3D00
RGB	255, 61, 0
RGB Percent	100%, 24%, 0%
CMY	0.0000, 0.7607, 1.0000
CMYK	0.00, 0.76, 1.00, 0.00
HSL	14°, 100%, 50%
HSV	14°, 100%, 100%
XYZ	42.9088, 24.5975, 2.4863
YIQ	112.0520, 135.2050, 22.1570

# Conversions

## Conversions Part 2

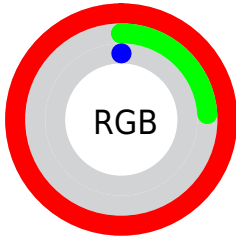
<b>Format</b>	<b>Color</b>
<b>RYB</b>	255, 80, 0
Decimal	16727296
CIELab	56.68, 70.28, 68.57
CIELCh	57, 98.190, 44.295
Yxy	24.5990, 0.6130, 0.3514
Android (android.graphics.Color)	4294917376 (0xFFFF3D00)
YUV	112.0520, -55.2416, 125.3654
Hunter-Lab	49.5959, 67.6397, 31.7449

# Details

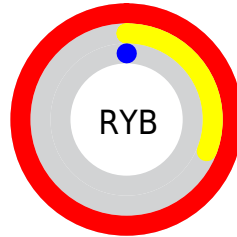
The HunterLab color **49.5959, 67.6397, 31.7449** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **67.6739, -19.9429, -41.5353**, and the grayscale version is **40.4444, -2.1580, 2.1974**.

A 20% lighter version of the original color is **59.8204, 42.1839, 32.9386**, and **32.6977, 55.9957, 21.1284** is the 20% darker color. If you saturate the color by 10%, you get **49.5971, 67.6349, 31.7456**, and if you desaturate by 10%, it is **52.0869, 60.7302, 32.0793**.

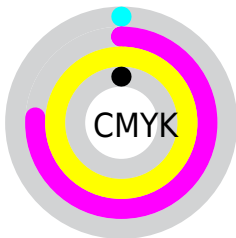
# Distribution



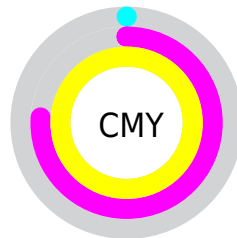
- Red (100%)
- Green (24%)
- Blue (0%)



- Red (100%)
- Yellow (31%)
- Blue (0%)



- Cyan (0%)
- Magenta (76%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (76%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 49.5959, 67.6397, 31.7449 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 49.5959, 67.6397, 31.7449 by changing the saturation by 10% instead.



49.5959, 67.6397,  
31.7449

49.5959, 67.6397,  
31.7449

166.0829, 84.6268,  
70.0183

39.7223, 65.3338,  
26.5622

71.4185, 72.0430,  
41.4148

30.6066, 63.0388,  
21.4246

83.2834, 74.1150,  
45.9336

22.3198, 60.8926,  
15.6239

95.7411, 76.0921,  
50.2752

14.9551, 59.2703,  
10.4686

108.7646, 77.9752,  
54.4624

8.6012, 59.8370,  
6.0209

122.3304, 79.7667,  
58.5147


0.0000, INF, NaN

0.0000, INF, NaN


136.4174, 81.4700,


62.4489


0.0000, NaN, NaN


 151.0072, 83.0887,  
66.2794


0.0000, NaN, NaN


 49.5959, 67.6397,  
31.7449


 49.5959, 67.6397,  
31.7449

 49.5971, 67.6349,  
31.7456

 52.0869, 60.7302,  
32.0793

 55.2969, 52.9355,  
31.6419

 59.1885, 44.7482,  
30.3136

 63.6960, 36.5378,  
28.1872

 68.7474, 28.5517,  
25.3966

74.2734, 20.9297,  
22.0750

80.2115, 13.7329,  
18.3369

86.5079, 6.9713,  
14.2737

93.1170, 0.6260,  
9.9549

# Harmonies

## Analogous

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



49.5974, 99.6633, 17.9203



49.5959, 67.6397, 31.7449



49.5974, 20.6350, 34.4504

# Triad

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



49.5974, 67.6341, 31.7456



49.5974, -58.1454, 19.0568



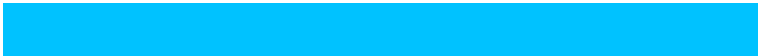
49.5974, 18.4380, -139.6269

# Complementary

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



49.5959, 67.6397, 31.7449



67.6739, -19.9429, -41.5353

# 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.



49.5974, -22.2995, -138.1482



49.5959, 67.6397, 31.7449



49.5974, -58.3903, -19.7120

# Square

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



49.5974, 67.6341, 31.7456



49.5974, -46.6911, 32.0060



49.5974, -47.5249, -83.8687



49.5974, 65.5807, -87.0299



# Rectangle

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



49.5959, 67.6397, 31.7449



49.5974, -8.4369, 34.7182



49.5974, -47.5249, -83.8687



49.5974, 3.4170, -146.2682

# Sweetspot

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



49.5974, 67.6341, 31.7456



80.2110, 13.7338, 18.3375



50.2222, 93.8970, -28.7118



35.9294, 7.7331, 9.2334

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



49.5974, 67.6341, 31.7456



49.5973, 67.6352, 31.7457



75.3662, 7.8708, 46.5780



43.2349, 0.1493, 4.5043



36.1166, 48.0793, 23.0966

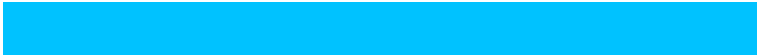


11.9603, 12.9862, 7.5972

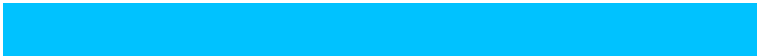


# Inverse Universe

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



67.6739, -19.9429, -41.5353



67.6738, -19.9426, -41.5360



33.6964, 47.5979, -144.8675



44.3863, -4.6257, 0.2204



49.1665, -14.7672, -29.5757



15.8810, -5.3607, -8.2778



# Previews

## White Background



This preview shows how the HunterLab color 49.5959, 67.6397, 31.7449 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

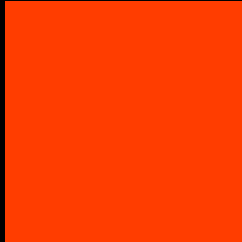
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 49.5959, 67.6397, 31.7449 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 49.5959, 67.6397, 31.7449 Background



This preview shows how black text looks on a background with the HunterLab color 49.5959, 67.6397, 31.7449.



This preview shows how white text looks on a background with the HunterLab color 49.5959, 67.6397,

31.7449.

# 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

49.5959, 67.6397, 31.7449

### Protanopia

49.7568, -7.0137, 29.0735

### Deuteranopia

49.7352, 2.6738, 30.6934



## Tritanopia

49.6003, 69.8989, 26.8412

# Trichromacy



## Original Color

49.5959, 67.6397, 31.7449

## Protanomaly

46.8310, 20.2775, 28.4320

## Deuteranomaly

47.6022, 26.9736, 29.8045

## Tritanomaly

49.5256, 68.8649, 29.5278

# Monochromacy



## Original Color

49.5959, 67.6397, 31.7449

## Achromatopsia

40.2529, -2.1478, 2.1870

## Achromatomaly

40.2196, 19.9830, 16.3452

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 49.5959, 67.6397, 31.7449 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, 61, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 61, 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(255, 61, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 61, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 49.5959, 67.6397, 31.7449 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, 61, 0) }
```



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

```
.border{ border-color:rgb(255, 61, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 61, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 61, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 61, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 61, 0)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 49.5959, 67.6397, 31.7449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 61, 0) }
```

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

```
.background{ background-color: rgb(255, 61,  
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