

# Converting Colors

HunterLab(49.4252, -7.1673,  
30.3301)

Have a look what the booklet for  
HunterLab(49.4252, -7.1673,  
30.3301) contains.

<b>HunterLab(49.3767, -7.0911, 30.3016)</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(49.3767, -7.0911,  
30.3016)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	998800
RGB	153, 136, 0
RGB Percent	60%, 53%, 0%
CMY	0.4000, 0.4667, 1.0000
CMYK	0.00, 0.11, 1.00, 0.40
HSL	53°, 100%, 30%
HSV	53°, 100%, 60%
XYZ	21.9410, 24.3806, 3.5495
YIQ	125.5790, 53.7880, -38.6920

# Conversions

## Conversions Part 2

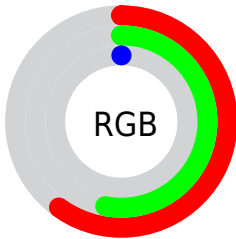
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	19, 153, 0
Decimal	10061824
CIE <sub>Lab</sub>	56.47, -5.64, 61.05
CIE <sub>LCh</sub>	56, 61.312, 95.277
Yxy	24.3818, 0.4399, 0.4889
Android (android.graphics.Color)	4288251904 (0xFF998800)
YUV	125.5790, -61.9104, 24.0482
Hunter-Lab	49.3767, -7.0911, 30.3016

# Details

The HunterLab color **49.3767, -7.0911, 30.3016** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **16.4346, 35.8674, -97.9674**, and the grayscale version is **45.7329, -2.4402, 2.4848**.

A 20% lighter version of the original color is **71.1855, -8.8877, 39.0192**, and **30.6807, -4.5572, 18.8255** is the 20% darker color. If you saturate the color by 10%, you get **49.3776, -7.0928, 30.3021**, and if you desaturate by 10%, it is **49.8996, -7.6560, 30.0631**.

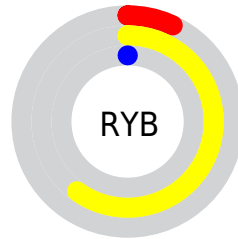
# Distribution



Red (60%)

Green (53%)

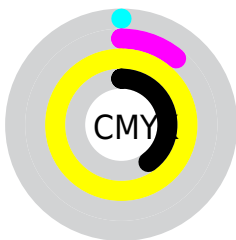
Blue (0%)



Red (7%)

Yellow (60%)

Blue (0%)

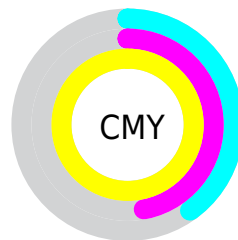


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (40%)



Cyan (40%)

Magenta (47%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 49.3767, -7.0911, 30.3016 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 49.3767, -7.0911, 30.3016 by changing the saturation by 10% instead.



■ 49.3767, -7.0911,  
30.3016

■ 49.3767, -7.0911,  
30.3016

165.7543,  
-15.5921, 64.8473

■ 39.5184, -6.2356,  
25.5897

■ 71.1705, -8.8543,  
39.0247

■ 30.4197, -5.3899,  
21.0453

■ 83.0224, -9.7609,  
43.0940

■ 22.1516, -4.5506,  
15.5061

■ 95.4677, -10.6859,  
47.0048

■ 14.8080, -3.7072,  
10.3656

■ 108.4793,  
-11.6295, 50.7795

■ 8.4620, -3.3559,  
5.9234

■ 122.0336,  
-12.5919, 54.4366

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 136.1097,

-13.5732, 57.9919

0.0000, NaN, NaN

150.6888,  
-14.5733, 61.4585

0.0000, NaN, NaN

49.3767, -7.0911,  
30.3016

49.3767, -7.0911,  
30.3016

49.3776, -7.0928,  
30.3021

49.8996, -7.6560,  
30.0631

50.4494, -8.0751,  
29.4534

51.0381, -8.2888,  
28.3127

51.6693, -8.2778,  
26.5936

52.3451, -8.0286,  
24.2643

■ 53.0676, -7.5322,  
21.3047

■ 53.8377, -6.7832,  
17.7043

■ 54.6563, -5.7793,  
13.4603

■ 55.5238, -4.5209,  
8.5768

# Harmonies

## Analogous

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



49.3779, 19.7342, 29.1367



49.3767, -7.0911, 30.3016



49.3779, -28.0198, 27.6999

# Triad

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



49.3779, -7.0931, 30.3019



49.3779, -36.8008, -32.8205



49.3779, 50.6359, -21.2419

# Complementary

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



49.3767, -7.0911, 30.3016



16.4346, 35.8674, -97.9674

# 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.



49.3779, 29.2046, -53.0182



49.3767, -7.0911, 30.3016



49.3779, -21.6215, -61.7608

# Square

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



49.3779, -7.0931, 30.3019



49.3779, -42.7835, -1.8261



49.3779, 1.9823, -70.5922



49.3779, 56.7109, 6.8120



# Rectangle

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



49.3767, -7.0911, 30.3016



49.3779, -36.9937, 22.6424



49.3779, 1.9823, -70.5922



49.3779, 44.8016, -32.2096

# Sweetspot

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



49.3779, -7.0931, 30.3019



71.9846, -9.1472, 24.0053



26.1068, 44.8723, 15.5866



33.6365, -4.4949, 12.1904



87.6224, -4.6753, 4.7607



35.4919, -1.8938, 1.9283



# Same Dimension

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



49.3779, -7.0931, 30.3019



65.9513, -9.2904, 40.4762



50.1803, -30.7460, 30.3823



26.6565, -2.1164, 3.9199



44.9233, -6.5006, 27.5677



5.7511, -1.1922, 3.5229



# Inverse Universe

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



16.4346, 35.8674, -97.9674



21.6710, 49.2698, -133.4463



17.9426, 43.5422, -87.7660



24.7616, -0.5345, -1.3423



15.0303, 32.2603, -88.4272

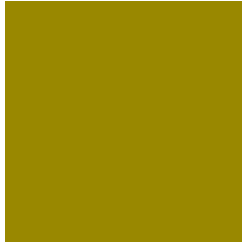


2.4324, 2.0851, -7.5414



# Previews

## White Background



This preview shows how the HunterLab color 49.3767, -7.0911, 30.3016 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

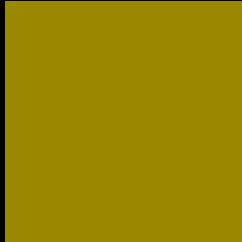
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 49.3767, -7.0911, 30.3016 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

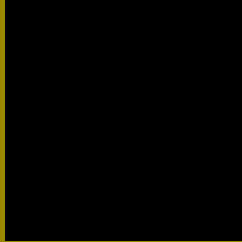
Any Text WCAG AA ✓ Pass

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 49.3767, -7.0911, 30.3016 Background



This preview shows how black text looks on a background with the HunterLab color 49.3767, -7.0911, 30.3016.



This preview shows how white text looks on a background with the HunterLab color 49.3767, -7.0911,



# 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

49.3767, -7.0911, 30.3016

### Protanopia

49.3767, -7.0911, 30.3016

### Deuteranopia

49.3953, 2.9832, 29.8528



## Tritanopia

49.2710, 10.1525, 2.5094

# Trichromacy



## Original Color

49.3767, -7.0911, 30.3016

## Protanomaly

49.3767, -7.0911, 30.3016

## Deuteranomaly

49.4158, -1.1519, 30.0497

## Tritanomaly

48.9106, 1.2776, 19.2306

# Monochromacy



## Original Color

49.3767, -7.0911, 30.3016

## Achromatopsia

45.6768, -2.4372, 2.4817

## Achromatomaly

46.6676, -6.7614, 18.9959

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 49.3767, -7.0911, 30.3016 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(153, 136, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 136, 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(153, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 136, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 49.3767, -7.0911, 30.3016 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(153, 136, 0) }
```



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

```
.border{ border-color:rgb(153, 136, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 136, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 136, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 136, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 136,  
0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 49.3767, -7.0911, 30.3016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 136, 0) }
```

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

```
.background{ background-color: rgb(153,  
136, 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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