

# Converting Colors

HunterLab(47.8003, -45.0747,  
19.7740)

Have a look what the booklet for  
HunterLab(47.8003, -45.0747,  
19.7740) contains.

<b>HunterLab(49.3224, -38.3126, 21.0572)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**HunterLab(49.3224,  
-38.3126, 21.0572)**

# Conversions

## Conversions Part 1

Format	Color
Hex	009C4E
RGB	0, 156, 78
RGB Percent	0%, 61%, 31%
CMY	1.0000, 0.3882, 0.6941
CMYK	1.00, 0.00, 0.50, 0.39
HSL	150°, 100%, 31%
HSV	150°, 100%, 61%
XYZ	13.2636, 24.3270, 11.2042
YIQ	100.4640, -67.9380, -57.3300

# Conversions

## Conversions Part 2

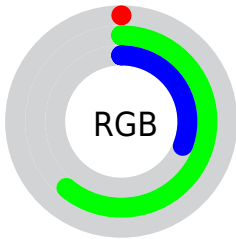
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 104, 156
Decimal	40014
CIELab	56.41, -52.78, 31.13
CIELCh	56, 61.280, 149.469
Yxy	24.3280, 0.2718, 0.4986
Android (android.graphics.Color)	4278230094 (0xFF009C4E)
YUV	100.4640, -11.0748, -88.1069
Hunter-Lab	49.3224, -38.3126, 21.0572

# Details

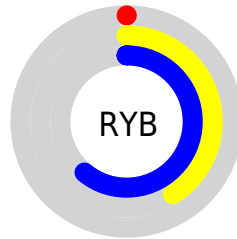
The HunterLab color  $49.3224, -38.3126, 21.0572$  is a dark color, and the websafe version is hex  $009933$ . A complement of this color would be  $27.6016, 49.2605, 2.3850$ , and the grayscale version is  $35.9328, -1.9173, 1.9523$ .

A 20% lighter version of the original color is  $71.2181, -45.7701, 26.0813$ , and  $31.2957, -25.7668, 16.5062$  is the 20% darker color. If you saturate the color by 10%, you get  $49.3233, -38.3135, 21.0581$ , and if you desaturate by 10%, it is  $49.5513, -37.1189, 19.3989$ .

# Distribution



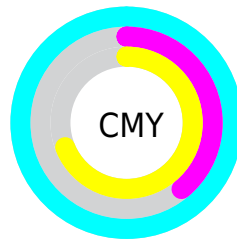
- Red (0%)
- Green (61%)
- Blue (31%)



- Red (0%)
- Yellow (41%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (39%)



- Cyan (100%)
- Magenta (39%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 49.3224, -38.3126, 21.0572 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 49.3224, -38.3126, 21.0572 by changing the saturation by 10% instead.



■ 49.3224, -38.3126,  
21.0572

■ 49.3224, -38.3126,  
21.0572

165.6727,  
-67.7538, 40.8693

■ 39.4678, -34.2939,  
18.4806

■ 71.1090, -45.6824,  
25.8627

■ 30.3733, -29.9590,  
15.7380

■ 82.9576, -49.1215,  
28.1403

■ 22.1099, -25.1936,  
12.7732

■ 95.3998, -52.4368,  
30.3572

■ 14.7715, -20.5493,  
10.3401

■ 108.4085,  
-55.6494, 32.5253

■ 8.4270, -14.7473,  
5.8989

■ 121.9600,  
-58.7756, 34.6539

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 136.0333,

-61.8283, 36.7503

0.0000, NaN, NaN

150.6098,  
-64.8182, 38.8205

0.0000, NaN, NaN

■ 49.3224, -38.3126,  
21.0572

■ 49.3224, -38.3126,  
21.0572

■ 49.3233, -38.3135,  
21.0581

■ 49.5513, -37.1189,  
19.3989

■ 49.8732, -35.5147,  
17.6316

■ 50.3241, -33.3683,  
15.7975

■ 50.9153, -30.6513,  
13.9225

■ 51.6549, -27.3568,  
12.0320

■ 52.5476, -23.4966,  
10.1506

■ 53.5955, -19.0971,  
8.3011

■ 54.7985, -14.1960,  
6.5039

■ 56.1547, -8.8385,  
4.7762

# Harmonies

## Analogous

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



49.3234, -24.6146, 28.5458



49.3224, -38.3126, 21.0572



49.3234, -42.8765, 3.1174

# Triad

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



49.3234, -38.3131, 21.0575



49.3234, -3.0904, -70.9721



49.3234, 48.0277, 20.6289

# Complementary

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



49.3224, -38.3126, 21.0572



27.6016, 49.2605, 2.3850

# 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.



49.3234, 56.9584, 2.2483



49.3224, -38.3126, 21.0572



49.3234, 24.0294, -58.0612

# Square

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



49.3234, -38.3131, 21.0575



49.3234, -25.2581, -57.1787



49.3234, 47.4024, -27.5651



49.3234, 24.9835, 28.4021



# Rectangle

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



49.3224, -38.3126, 21.0572



49.3234, -41.0322, -15.6374



49.3234, 47.4024, -27.5651



49.3234, 52.9660, 15.8944

# Sweetspot

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



49.3234, -38.3131, 21.0575



72.1389, -26.1105, 11.3344



50.5072, -34.4972, 30.5182



33.5717, -13.3644, 5.7703



88.7363, -4.7347, 4.8212



36.4511, -1.9449, 1.9805



# Same Dimension

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



49.3234, -38.3131, 21.0575



66.4417, -51.8196, 28.8173



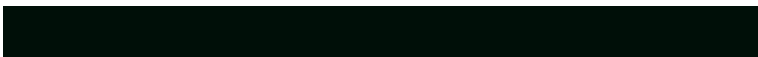
51.0795, -27.6330, -4.1928



27.3013, -4.0886, 2.2572



44.7716, -34.7233, 18.9969



6.0576, -4.2064, 1.5090



# Inverse Universe

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



27.6016, 49.2605, 2.3850



37.1440, 66.1929, 3.9804



26.5970, 45.5685, 17.0199



25.8818, 1.3592, 0.6830



25.0638, 44.7582, 1.9654



3.4765, 6.4358, -1.4917



# Previews

## White Background



This preview shows how the HunterLab color 49.3224, -38.3126, 21.0572 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 49.3224, -38.3126, 21.0572 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 49.3224, -38.3126, 21.0572 Background



This preview shows how black text looks on a background with the HunterLab color 49.3224, -38.3126, 21.0572.



This preview shows how white text looks on a background with the HunterLab color 49.3224, -38.3126, 21.0572.

-38.3126, 21.0572.

# 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

49.3224, -38.3126, 21.0572

### Protanopia

49.0701, -5.7933, 22.9326

### Deuteranopia

49.0283, 2.9992, 19.8704



## Tritanopia

49.3268, -19.1757, -9.3669

# Trichromacy



## Original Color

49.3224, -38.3126, 21.0572

## Protanomaly

47.4542, -24.0846, 20.7250

## Deuteranomaly

46.8594, -19.7256, 18.4289

## Tritanomaly

48.8226, -27.9112, 3.9487

# Monochromacy



## Original Color

49.3224, -38.3126, 21.0572

## Achromatopsia

35.6984, -1.9048, 1.9396

## Achromatomaly

39.1096, -19.3204, 8.4112

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 49.3224, -38.3126, 21.0572 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(0, 156, 78)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 78)  
}
```

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(0, 156, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 78) }
```

## Border

The CSS property to change the border of an element to HunterLab 49.3224, -38.3126, 21.0572 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(0, 156, 78) }
```



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

```
.border{ border-color:rgb(0, 156, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 156, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 78);  
box-shadow:4px 4px 4px 4px rgb(0, 156, 78)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 49.3224, -38.3126, 21.0572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 78) }
```

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

```
.background{ background-color: rgb(0, 156,  
78) }
```

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