

# Converting Colors

HunterLab(48.9003, -17.9445,  
29.8710)

Have a look what the booklet for  
HunterLab(48.9003, -17.9445,  
29.8710) contains.

<b>HunterLab(48.9236, -17.8443, 29.8341)</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(48.9236,  
-17.8443, 29.8341)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	808E00
RGB	128, 142, 0
RGB Percent	50%, 56%, 0%
CMY	0.4980, 0.4431, 1.0000
CMYK	0.10, 0.00, 1.00, 0.44
HSL	66°, 100%, 28%
HSV	66°, 100%, 56%
XYZ	18.5751, 23.9352, 3.6409
YIQ	121.6260, 37.2380, -47.1300

# Conversions

## Conversions Part 2

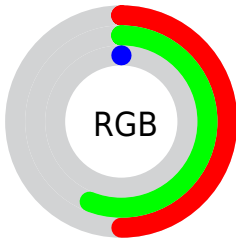
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 142, 14
Decimal	8424960
CIELab	56.02, -20.29, 59.74
CIELCh	56, 63.093, 108.757
Yxy	23.9363, 0.4025, 0.5186
Android (android.graphics.Color)	4286615040 (0xFF808E00)
YUV	121.6260, -59.9616, 5.5900
Hunter-Lab	48.9236, -17.8443, 29.8341

# Details

The HunterLab color **48.9236, -17.8443, 29.8341** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **14.3067, 38.1477, -96.5776**, and the grayscale version is **44.1868, -2.3577, 2.4008**.

A 20% lighter version of the original color is **70.7813, -21.5272, 38.5221**, and **30.2492, -13.2296, 18.4078** is the 20% darker color. If you saturate the color by 10%, you get **48.9246, -17.8463, 29.8347**, and if you desaturate by 10%, it is **49.0692, -17.2333, 29.4234**.

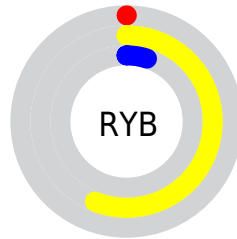
# Distribution



Red (50%)

Green (56%)

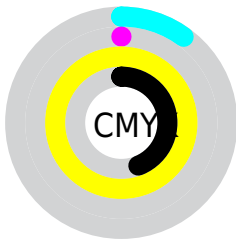
Blue (0%)



Red (0%)

Yellow (56%)

Blue (5%)

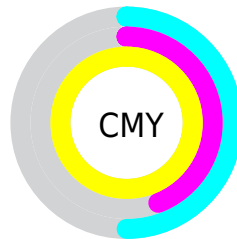


Cyan (10%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (50%)

Magenta (44%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 48.9236, -17.8443, 29.8341 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 48.9236, -17.8443, 29.8341 by changing the saturation by 10% instead.



■ 48.9236, -17.8443,  
29.8341

■ 48.9236, -17.8443,  
29.8341

165.0752,  
-32.5219, 63.7774

■ 39.0978, -16.0724,  
25.1987

■ 70.6585, -21.2433,  
38.4066

■ 30.0343, -14.2209,  
20.6972

■ 82.4833, -22.8935,  
42.4040

■ 21.8051, -12.2546,  
15.2636

■ 94.9029, -24.5229,  
46.2454

■ 14.5053, -10.1090,  
10.1537

■ 107.8899,  
-26.1372, 49.9533

■ 8.1663, -11.2615,  
5.7164

■ 121.4205,  
-27.7411, 53.5461

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 135.4738,

-29.3381, 57.0395

0.0000, NaN, NaN

150.0310,  
-30.9309, 60.4463

0.0000, NaN, NaN

48.9236, -17.8443,  
29.8341

48.9236, -17.8443,  
29.8341

48.9246, -17.8463,  
29.8347

49.0692, -17.2333,  
29.4234

49.2365, -16.4942,  
28.6963

49.4373, -15.5673,  
27.4940

49.6753, -14.4342,  
25.7661

49.9533, -13.0809,  
23.4740

■ 50.2737, -11.4975,  
20.5890

■ 50.6383, -9.6775,  
17.0908

■ 51.0488, -7.6171,  
12.9666

■ 51.5061, -5.3152,  
8.2102

# Harmonies

## Analogous

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



48.9247, 7.6504, 30.2596



48.9236, -17.8443, 29.8341



48.9247, -35.1473, 24.9572

# Triad

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



48.9247, -17.8458, 29.8344



48.9247, -31.7063, -49.1259



48.9247, 57.5752, -7.6840

# Complementary

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



48.9236, -17.8443, 29.8341



14.3067, 38.1477, -96.5776

# 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.



48.9247, 41.5511, -40.8927



48.9236, -17.8443, 29.8341



48.9247, -12.0946, -71.9937

# Square

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



48.9247, -17.8458, 29.8344



48.9247, -41.9032, -15.4837



48.9247, 14.7465, -68.3702



48.9247, 55.1205, 15.7518



# Rectangle

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



48.9236, -17.8443, 29.8341



48.9247, -41.4115, 17.0922



48.9247, 14.7465, -68.3702



48.9247, 54.0551, -18.1884

# Sweetspot

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



48.9247, -17.8458, 29.8344



67.2102, -13.0127, 23.0126



24.5159, 39.2675, 15.7933



31.6766, -6.5852, 11.7221



84.2951, -4.4978, 4.5799



32.6403, -1.7416, 1.7734



# Same Dimension

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



48.9247, -17.8458, 29.8344



64.9363, -23.8141, 39.5965



45.0359, -33.2815, 27.1678



25.0175, -2.4843, 3.7847



46.3620, -16.8917, 28.2723



4.5887, -1.4427, 2.8023



# Inverse Universe

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



14.3067, 38.1477, -96.5776



18.9039, 50.5911, -129.0043



19.4553, 43.3533, -65.2465



22.9758, 0.0043, -1.3998



13.5705, 36.1609, -91.3924



1.4708, 3.6586, -7.8849



# Previews

## White Background



This preview shows how the HunterLab color 48.9236, -17.8443, 29.8341 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 48.9236, -17.8443, 29.8341 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

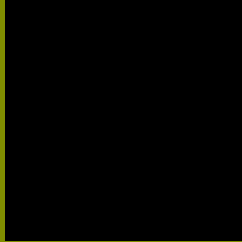
Any Text WCAG AA ✓ Pass

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 48.9236, -17.8443, 29.8341 Background



This preview shows how black text looks on a background with the HunterLab color 48.9236, -17.8443, 29.8341.



This preview shows how white text looks on a background with the HunterLab color 48.9236, -17.8443, 29.8341.

-17.8443, 29.8341.

# 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

48.9236, -17.8443, 29.8341

### Protanopia

48.8950, -7.3452, 30.0003

### Deuteranopia

48.6618, 3.3051, 28.9901



## Tritanopia

48.8455, 0.8186, -0.9506

# Trichromacy



## Original Color

48.9236, -17.8443, 29.8341

## Protanomaly

49.0067, -11.3988, 29.9982

## Deuteranomaly

48.3808, -4.7379, 29.1753

## Tritanomaly

48.3889, -9.1284, 17.8052

# Monochromacy



## Original Color

48.9236, -17.8443, 29.8341

## Achromatopsia

44.1155, -2.3539, 2.3969

## Achromatomaly

45.3163, -10.2233, 18.3144

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 48.9236, -17.8443, 29.8341 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(128, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(128, 142, 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(128, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 142, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 48.9236, -17.8443, 29.8341 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(128, 142, 0) }
```



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

```
.border{ border-color:rgb(128, 142, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 142, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(128, 142,  
0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 48.9236, -17.8443, 29.8341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 142, 0) }
```

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

```
.background{ background-color: rgb(128,  
142, 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