

# Converting Colors

HunterLab(50.0737, -14.4415,  
28.0735)

Have a look what the booklet for  
HunterLab(50.0737, -14.4415,  
28.0735) contains.

<b>HunterLab(50.1232, -14.5709, 28.1491)</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(50.1232,  
-14.5709, 28.1491)**

# Conversions

## Conversions Part 1

Format	Color
Hex	898F29
RGB	137, 143, 41
RGB Percent	54%, 56%, 16%
CMY	0.4627, 0.4392, 0.8392
CMYK	0.04, 0.00, 0.71, 0.44
HSL	64°, 55%, 36%
HSV	64°, 71%, 56%
XYZ	20.5392, 25.1234, 5.8646
YIQ	129.5780, 29.1660, -32.9940

# Conversions

## Conversions Part 2

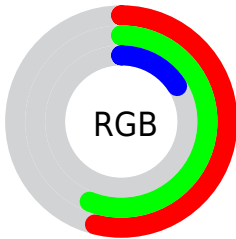
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	41, 143, 47
Decimal	9015081
CIE <sub>Lab</sub>	57.20, -15.46, 50.67
CIE <sub>LCh</sub>	57, 52.973, 106.963
Yxy	25.1245, 0.3986, 0.4876
Android (android.graphics.Color)	4287205161 (0xFF898F29)
YUV	129.5780, -43.6690, 6.5091
Hunter-Lab	50.1232, -14.5709, 28.1491

# Details

The HunterLab color  $50.1232, -14.5709, 28.1491$  is a dark color, and the websafe version is hex  $999933$ . A complement of this color would be  $20.4302, 24.7419, -62.3972$ , and the grayscale version is  $47.2401, -2.5206, 2.5666$ .

A 20% lighter version of the original color is  $72.1528, -17.5775, 35.6427$ , and  $31.1665, -11.1828, 19.0089$  is the 20% darker color. If you saturate the color by 10%, you get  $49.9713, -15.3071, 29.3151$ , and if you desaturate by 10%, it is  $50.3136, -13.6350, 26.4599$ .

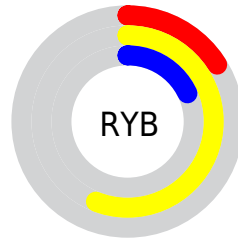
# Distribution



Red (54%)

Green (56%)

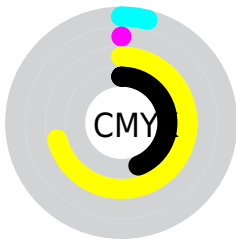
Blue (16%)



Red (16%)

Yellow (56%)

Blue (18%)

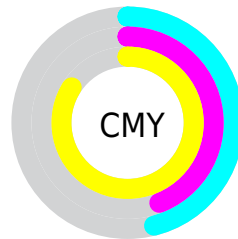


Cyan (4%)

Magenta (0%)

Yellow (71%)

Black (44%)



Cyan (46%)

Magenta (44%)

Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 50.1232, -14.5709, 28.1491 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 50.1232, -14.5709, 28.1491 by changing the saturation by 10% instead.



■ 50.1232, -14.5709,  
28.1491

■ 50.1232, -14.5709,  
28.1491

166.8704,  
-27.1667, 57.4288

■ 40.2117, -13.1139,  
24.1735

■ 72.0133, -17.4127,  
35.4882

■ 31.0555, -11.6109,  
19.9417

■ 83.9094, -18.8113,  
38.9174

■ 22.7241, -10.0396,  
15.9069

■ 96.3968, -20.2032,  
42.2211

■ 15.3092, -8.3577,  
10.7164

■ 109.4487,  
-21.5920, 45.4187

■ 8.9258, -8.0219,  
6.2481

■ 123.0417,  
-22.9808, 48.5264

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 137.1550,

-24.3717, 51.5571

0.0000, NaN, NaN

151.7702,  
-25.7666, 54.5216

0.0000, NaN, NaN

■ 50.1232, -14.5709,  
28.1491

■ 50.1232, -14.5709,  
28.1491

■ 49.9713, -15.3071,  
29.3151

■ 50.3136, -13.6350,  
26.4599

■ 49.8505, -15.8590,  
30.0108

■ 50.5421, -12.4791,  
24.2046

■ 49.7621, -16.2456,  
30.3788

■ 50.8123, -11.0932,  
21.3520

■ 51.1265, -9.4691,  
17.8788

■ 51.4861, -7.6015,  
13.7693

■ 51.8927, -5.4879,  
9.0148

■ 52.3472, -3.1281,  
3.6129

■ 52.8504, -0.5241,  
-2.4330

■ 53.4028, 2.3201,  
-9.1145

# Harmonies

## Analogous

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



50.1244, 7.3558, 28.4051



50.1232, -14.5709, 28.1491



50.1244, -30.3009, 23.3317

# Triad

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



50.1244, -14.5725, 28.1495



50.1244, -28.6888, -37.1269



50.1244, 46.2520, -7.3610

# Complementary

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



50.1232, -14.5709, 28.1491



20.4302, 24.7419, -62.3972

# 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.



50.1244, 32.6311, -33.8075



50.1232, -14.5709, 28.1491



50.1244, -11.9783, -55.4155

# Square

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



50.1244, -14.5725, 28.1495



50.1244, -37.4209, -10.6756



50.1244, 10.4426, -53.9885



50.1244, 45.2261, 13.2205



# Rectangle

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



50.1232, -14.5709, 28.1491



50.1244, -36.3193, 16.1980



50.1244, 10.4426, -53.9885



50.1244, 43.1463, -15.9795

# Sweetspot

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



50.1244, -14.5725, 28.1495



68.8921, -10.2034, 18.4952



28.2174, 31.0198, 13.5218



32.9315, -5.1941, 9.5405



85.4018, -4.5568, 4.6400



33.5864, -1.7921, 1.8248



# Same Dimension

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



50.1244, -14.5725, 28.1495



66.7614, -20.9889, 39.8995



46.7202, -27.7184, 25.6409



25.0389, -2.4090, 3.8091



46.7940, -15.2628, 28.5670



4.6101, -1.3631, 2.8168



# Inverse Universe

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



20.4302, 24.7419, -62.3972



21.5845, 44.5890, -113.7533



24.7316, 33.8900, -46.4696



22.9548, -0.0678, -1.4283



13.4344, 36.0587, -92.4950



1.4025, 3.5972, -8.3594



# Previews

## White Background



This preview shows how the HunterLab color 50.1232, -14.5709, 28.1491 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 50.1232, -14.5709, 28.1491 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

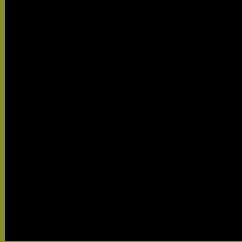
Any Text WCAG AA ✓ Pass

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 50.1232, -14.5709, 28.1491 Background



This preview shows how black text looks on a background with the HunterLab color 50.1232, -14.5709, 28.1491.



This preview shows how white text looks on a background with the HunterLab color 50.1232,

-14.5709, 28.1491.

# 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

50.1232, -14.5709, 28.1491

### Protanopia

49.9145, -6.3331, 28.2616

### Deuteranopia

49.9331, 3.7347, 27.7648



## Tritanopia

49.8996, 3.0914, -0.5490

# Trichromacy



## Original Color

50.1232, -14.5709, 28.1491

## Protanomaly

49.9143, -9.2889, 28.2098

## Deuteranomaly

49.8806, -3.4934, 27.8426

## Tritanomaly

49.7921, -4.9442, 14.0318

# Monochromacy



## Original Color

50.1232, -14.5709, 28.1491

## Achromatopsia

47.2470, -2.5210, 2.5670

## Achromatomaly

48.1626, -8.1539, 15.3098

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 50.1232, -14.5709, 28.1491 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(137, 143, 41)` looks like.

```
.text, #text, p{  
    color:rgb(137, 143, 41)  
}
```

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(137, 143, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 143, 41) }
```

## Border

The CSS property to change the border of an element to HunterLab 50.1232, -14.5709, 28.1491 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(137, 143, 41) }
```



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

```
.border{ border-color:rgb(137, 143, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 143, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 143, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 143, 41);  
box-shadow:4px 4px 4px 4px rgb(137, 143,  
41) }
```

# Background

The CSS property to change the background color of an element to HunterLab 50.1232, -14.5709, 28.1491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 143, 41) }
```

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

```
.background{ background-color: rgb(137,  
143, 41) }
```

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