

# Converting Colors

HunterLab(40.2143, -10.3834,  
15.0220)

Have a look what the booklet for  
HunterLab(40.2143, -10.3834,  
15.0220) contains.

<b>HunterLab(40.0617, -10.2898, 14.9176)</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(40.0617,  
-10.2898, 14.9176)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6A744A
RGB	106, 116, 74
RGB Percent	42%, 45%, 29%
CMY	0.5843, 0.5451, 0.7098
CMYK	0.09, 0.00, 0.36, 0.55
HSL	74°, 22%, 37%
HSV	74°, 36%, 45%
XYZ	13.4253, 16.0494, 8.8688
YIQ	108.2220, 7.5220, -15.1820

# Conversions

## Conversions Part 2

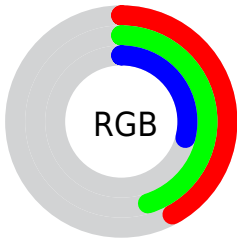
<b>Format</b>	<b>Color</b>
<b>RYB</b>	74, 116, 84
Decimal	6976586
CIELab	47.04, -11.33, 21.99
CIElCh	47, 24.739, 117.251
Yxy	16.0501, 0.3501, 0.4186
Android (android.graphics.Color)	4285166666 (0xFF6A744A)
YUV	108.2220, -16.8714, -1.9487
Hunter-Lab	40.0617, -10.2898, 14.9176

# Details

The HunterLab color  $40.0617, -10.2898, 14.9176$  is a dark color, and the websafe version is hex  $666633$ . A complement of this color would be  $28.3616, 8.6344, -16.9160$ , and the grayscale version is  $38.8702, -2.0740, 2.1119$ .

A 20% lighter version of the original color is  $60.5842, -12.6880, 18.7710$ , and  $22.6329, -7.7940, 10.7648$  is the 20% darker color. If you saturate the color by 10%, you get  $39.6754, -12.0825, 17.3392$ , and if you desaturate by 10%, it is  $40.4885, -8.3092, 12.0338$ .

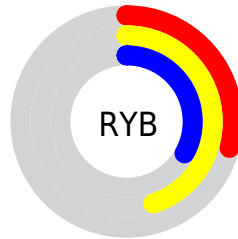
# Distribution



Red (42%)

Green (45%)

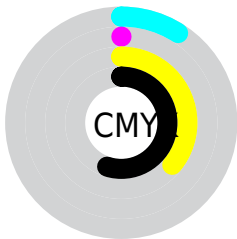
Blue (29%)



Red (29%)

Yellow (45%)

Blue (33%)

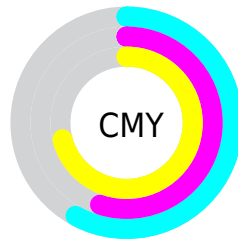


Cyan (9%)

Magenta (0%)

Yellow (36%)

Black (55%)



Cyan (58%)

Magenta (55%)

Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 40.0617, -10.2898, 14.9176 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 40.0617, -10.2898, 14.9176 by changing the saturation by 10% instead.



■ 40.0617, -10.2898,  
14.9176

■ 40.0617, -10.2898,  
14.9176

151.5379,  
-21.1123, 30.7282

■ 30.9186, -9.0687,  
12.8981

■ 60.5683, -12.6858,  
18.6897

■ 22.6008, -7.8108,  
10.7378

■ 71.8321, -13.8747,  
20.4877

■ 15.2011, -6.4894,  
8.6265

■ 83.7188, -15.0645,  
22.2467

■ 8.8283, -6.0626,  
6.1798

■ 96.1971, -16.2584,  
23.9765

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 109.2404,  
-17.4586, 25.6845

0.0000, NaN, NaN

122.8251,

0.0000, NaN, NaN

-18.6668, 27.3763

0.0000, NaN, NaN

136.9304,  
-19.8844, 29.0563

■ 40.0617, -10.2898,  
14.9176

■ 40.0617, -10.2898,  
14.9176

■ 39.6754, -12.0825,  
17.3392

■ 40.4885, -8.3092,  
12.0338

■ 39.3259, -13.6845,  
19.3056

■ 40.9537, -6.1388,  
8.6836

■ 39.0128, -15.1001,  
20.8315

■ 41.4586, -3.7832,  
4.8693

■ 38.7345, -16.3353,  
21.9386

■ 42.0033, -1.2472,  
0.5969

■ 38.4888, -17.3997,  
22.6569

■ 42.5879, 1.4630,  
-4.1244

■ 38.2701, -18.3226,  
23.0654

■ 43.2120, 4.3404,  
-9.2821

■ 38.1898, -18.6618,  
23.2057

■ 43.8753, 7.3771,  
-14.8615

■ 44.5773, 10.5646,  
-20.8460

■ 45.3173, 13.8942,  
-27.2175

# Harmonies

## Analogous

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



40.0626, -1.2456, 16.1139



40.0617, -10.2898, 14.9176



40.0626, -16.5884, 10.6060

# Triad

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



40.0626, -10.2909, 14.9180



40.0626, -11.6959, -15.6969



40.0626, 18.1408, 1.3245

# Complementary

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



40.0617, -10.2898, 14.9176



28.3616, 8.6344, -16.9160

# 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.



40.0626, 14.7000, -8.5971



40.0617, -10.2898, 14.9176



40.0626, -3.0262, -19.7731

# Square

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



40.0626, -10.2909, 14.9180



40.0626, -17.3440, -6.7777



40.0626, 6.7201, -16.9101



40.0626, 15.7361, 9.4536



# Rectangle

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



40.0617, -10.2898, 14.9176



40.0626, -18.6864, 5.8854



40.0626, 6.7201, -16.9101



40.0626, 17.6225, -1.9154

# Sweetspot

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



40.0626, -10.2909, 14.9180



54.6194, -6.6299, 9.0967



32.4308, 7.0593, 8.2627



26.6440, -3.3955, 4.6971



77.7063, -4.1462, 4.2219



27.0627, -1.4440, 1.4704



# Same Dimension

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



40.0626, -10.2909, 14.9180



52.7058, -15.5367, 22.3589



38.6351, -15.6508, 13.5903



20.5535, -2.2242, 2.9846



40.4447, -19.8105, 24.5750



89.0539, -44.6275, 54.0933



# Inverse Universe

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



28.3616, 8.6344, -16.9160



34.0726, 14.9467, -29.2835



30.2491, 14.3589, -13.4971



19.0476, 0.1670, -0.9919



12.9556, 33.1091, -76.2953



28.0026, 72.5803, -172.7944



# Previews

## White Background



This preview shows how the HunterLab color 40.0617, -10.2898, 14.9176 looks on a white 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



# Black Background



This preview shows how the HunterLab color 40.0617, -10.2898, 14.9176 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

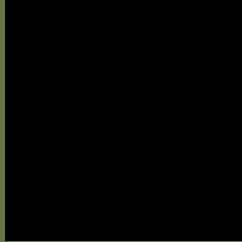
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

## HunterLab 40.0617, -10.2898, 14.9176 Background



This preview shows how black text looks on a background with the HunterLab color 40.0617, -10.2898, 14.9176.



This preview shows how white text looks on a background with the HunterLab color 40.0617,

-10.2898, 14.9176.

# 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

40.0617, -10.2898, 14.9176

### Protanopia

39.8769, -3.8076, 15.3898

### Deuteranopia

40.0297, 2.3434, 14.5798



## Tritanopia

39.9105, -0.1270, -1.3369

# Trichromacy



## Original Color

40.0617, -10.2898, 14.9176

## Protanomaly

40.0054, -6.1588, 15.2014

## Deuteranomaly

39.8382, -2.4433, 14.5985

## Tritanomaly

39.8530, -4.0240, 5.3964

# Monochromacy



## Original Color

40.0617, -10.2898, 14.9176

## Achromatopsia

38.7246, -2.0663, 2.1040

## Achromatomaly

39.1653, -5.3747, 7.2867

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 40.0617, -10.2898, 14.9176 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(106, 116, 74)` looks like.

```
.text, #text, p{  
    color:rgb(106, 116, 74)  
}
```

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(106, 116, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 116, 74) }
```

## Border

The CSS property to change the border of an element to HunterLab 40.0617, -10.2898, 14.9176 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(106, 116, 74) }
```



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

```
.border{ border-color:rgb(106, 116, 74) }
```

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

Here you see how a box with a 4 pixel rgb(106, 116, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 116, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 116, 74);  
box-shadow:4px 4px 4px 4px rgb(106, 116,  
74) }
```

# Background

The CSS property to change the background color of an element to HunterLab 40.0617, -10.2898, 14.9176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 116, 74) }
```

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

```
.background{ background-color: rgb(106,  
116, 74) }
```

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