

# Converting Colors

HunterLab(39.8922, -19.0154,  
12.1596)

Have a look what the booklet for  
HunterLab(39.8922, -19.0154,  
12.1596) contains.

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# Color

**HunterLab(40.0493,  
-19.1760, 12.2272)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4B7A53
RGB	75, 122, 83
RGB Percent	29%, 48%, 33%
CMY	0.7059, 0.5216, 0.6745
CMYK	0.39, 0.00, 0.32, 0.52
HSL	130°, 24%, 39%
HSV	130°, 39%, 48%
XYZ	11.4225, 16.0395, 10.6775
YIQ	103.5010, -15.4930, -22.0930

# Conversions

## Conversions Part 2

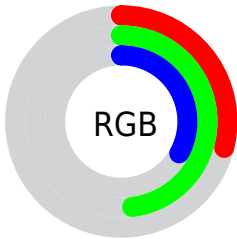
<b>Format</b>	<b>Color</b>
<b>RYB</b>	75, 115, 122
Decimal	4946515
CIELab	47.03, -24.92, 16.44
CIELCh	47, 29.855, 146.594
Yxy	16.0401, 0.2995, 0.4205
Android (android.graphics.Color)	4283136595 (0xFF4B7A53)
YUV	103.5010, -10.1070, -24.9954
Hunter-Lab	40.0493, -19.1760, 12.2272

# Details

The HunterLab color  $40.0493, -19.1760, 12.2272$  is a dark color, and the websafe version is hex  $336633$ . A complement of this color would be  $32.2257, 18.8248, -9.1036$ , and the grayscale version is  $37.0596, -1.9774, 2.0135$ .

A 20% lighter version of the original color is  $60.6540, -23.2487, 15.2764$ , and  $22.6377, -14.7117, 8.8890$  is the 20% darker color. If you saturate the color by 10%, you get  $39.3056, -22.4833, 14.3502$ , and if you desaturate by 10%, it is  $40.9245, -15.3938, 9.9026$ .

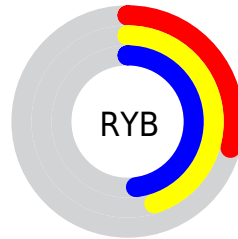
# Distribution



Red (29%)

Green (48%)

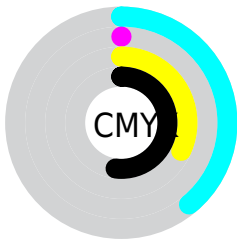
Blue (33%)



Red (29%)

Yellow (45%)

Blue (48%)

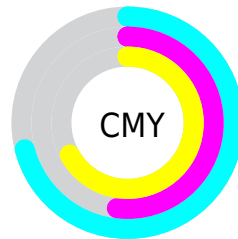


Cyan (39%)

Magenta (0%)

Yellow (32%)

Black (52%)



Cyan (71%)

Magenta (52%)

Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 40.0493, -19.1760, 12.2272 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 40.0493, -19.1760, 12.2272 by changing the saturation by 10% instead.



40.0493, -19.1760,  
12.2272

40.0493, -19.1760,  
12.2272

151.5185,  
-36.1448, 25.4142

30.9072, -17.0015,  
10.6253

60.5540, -23.2379,  
15.2753

22.5905, -14.6745,  
8.9345

71.8170, -25.1724,  
16.7525

15.1921, -12.1170,  
7.1094

83.7028, -27.0634,  
18.2117

8.8201, -12.7839,  
6.1741

96.1805, -28.9208,  
19.6593

0.0000, NaN, NaN

0.0000, NaN, NaN

109.2230,  
-30.7523, 21.1001

0.0000, NaN, NaN

122.8070,

0.0000, NaN, NaN

-32.5639, 22.5378

0.0000, NaN, NaN

136.9117,  
-34.3601, 23.9750

■ 40.0493, -19.1760,  
12.2272

■ 40.0493, -19.1760,  
12.2272

■ 39.3056, -22.4833,  
14.3502

■ 40.9245, -15.3938,  
9.9026

■ 38.6902, -25.2842,  
16.2466

■ 41.9276, -11.1734,  
7.4017

■ 38.2009, -27.5630,  
17.8979

■ 43.0569, -6.5606,  
4.7523

■ 37.8322, -29.3194,  
19.2908

■ 44.3086, -1.6030,  
1.9817

■ 37.5758, -30.5720,  
20.4193

■ 45.6779, 3.6516,  
-0.8845

■ 37.4035, -31.4312,  
21.2734

■ 47.1595, 9.1577,  
-3.8231

■ 37.3804, -31.5448,  
21.3740

■ 48.7478, 14.8728,  
-6.8137

■ 50.4368, 20.7593,  
-9.8388

■ 52.2206, 26.7841,  
-12.8841

# Harmonies

## Analogous

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



40.0501, -11.6822, 16.9376



40.0493, -19.1760, 12.2272



40.0501, -22.1378, 3.4257

# Triad

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



40.0501, -19.1767, 12.2276



40.0501, -3.4615, -25.4599



40.0501, 19.9256, 10.5946

# Complementary

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



40.0493, -19.1760, 12.2272



32.2257, 18.8248, -9.1036

# 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.



40.0501, 22.7659, 0.8931



40.0493, -19.1760, 12.2272



40.0501, 8.3907, -21.9404

# Square

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



40.0501, -19.1767, 12.2276



40.0501, -13.7417, -20.0013



40.0501, 18.3296, -11.4170



40.0501, 10.9560, 16.2014



# Rectangle

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



40.0493, -19.1760, 12.2272



40.0501, -21.4262, -4.3957



40.0501, 18.3296, -11.4170



40.0501, 21.6701, 7.8008

# Sweetspot

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



40.0501, -19.1767, 12.2276



56.5257, -11.0618, 7.6468



42.4458, -10.3952, 16.6745



26.9593, -5.5745, 3.8198



78.7982, -4.2045, 4.2813



27.9800, -1.4929, 1.5202



# Same Dimension

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



40.0501, -19.1767, 12.2276



52.2627, -29.2398, 18.6523



40.5748, -16.1006, 4.6612



21.1189, -3.3510, 2.4071



38.3533, -32.3746, 21.9492



83.7126, -71.0406, 48.7228



# Inverse Universe

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



32.2257, 18.8248, -9.1036



39.8772, 31.2205, -15.1446



31.4954, 15.2537, 1.1834



20.1652, 1.2390, -0.1865



23.1284, 43.9014, -18.3360



50.4051, 95.4999, -38.5886



# Previews

## White Background



This preview shows how the HunterLab color 40.0493, -19.1760, 12.2272 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 40.0493, -19.1760, 12.2272 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

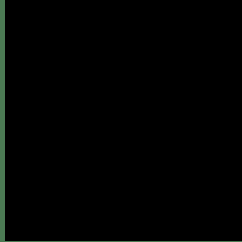
Any Text WCAG AA × Fail

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 40.0493, -19.1760, 12.2272 Background



This preview shows how black text looks on a background with the HunterLab color 40.0493, -19.1760, 12.2272.



This preview shows how white text looks on a background with the HunterLab color 40.0493,

-19.1760, 12.2272.

# 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

40.0493, -19.1760, 12.2272

### Protanopia

39.8899, -3.5561, 13.8045

### Deuteranopia

39.9163, 2.3372, 11.5599



## Tritanopia

40.1419, -8.9577, -4.5757

# Trichromacy



## Original Color

40.0493, -19.1760, 12.2272

## Protanomaly

39.7287, -9.8244, 12.9824

## Deuteranomaly

39.4452, -6.2895, 11.2777

## Tritanomaly

40.0859, -13.1320, 2.6517

# Monochromacy



## Original Color

40.0493, -19.1760, 12.2272

## Achromatopsia

37.2064, -1.9852, 2.0215

## Achromatomaly

38.1321, -9.1070, 6.1308

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 40.0493, -19.1760, 12.2272 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(75, 122, 83)` looks like.

```
.text, #text, p{  
    color:rgb(75, 122, 83)  
}
```

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(75, 122, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 122, 83) }
```

## Border

The CSS property to change the border of an element to HunterLab 40.0493, -19.1760, 12.2272 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(75, 122, 83) }
```



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

```
.border{ border-color:rgb(75, 122, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 122, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 122, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 122, 83);  
box-shadow:4px 4px 4px 4px rgb(75, 122,  
83) }
```

# Background

The CSS property to change the background color of an element to HunterLab 40.0493, -19.1760, 12.2272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 122, 83) }
```

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

```
.background{ background-color: rgb(75, 122,  
83) }
```

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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