

# Converting Colors

HunterLab(46.3392, -1.1814,  
4.4236)

Have a look what the booklet for  
HunterLab(46.3392, -1.1814, 4.4236)  
contains.

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# Color

**HunterLab(46.4708, -1.2849,  
4.7045)**

# Conversions

Conversions Part 1	
Format	Color
Hex	857F7B
RGB	133, 127, 123
RGB Percent	52%, 50%, 48%
CMY	0.4784, 0.5019, 0.5176
CMYK	0.00, 0.05, 0.08, 0.48
HSL	24°, 4%, 50%
HSV	24°, 8%, 52%
XYZ	20.8374, 21.5954, 21.8090
YIQ	128.3380, 4.8600, 0.0280

# Conversions

## Conversions Part 2

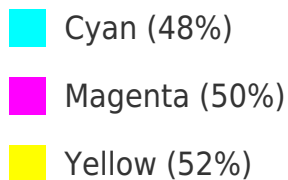
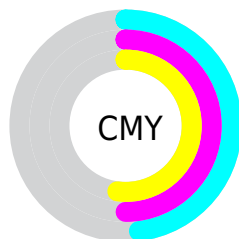
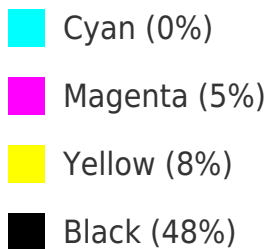
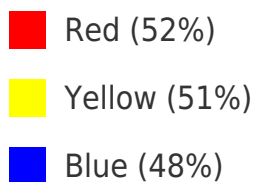
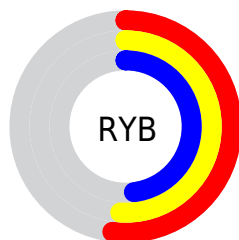
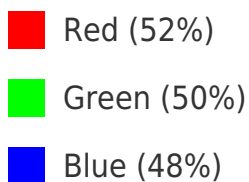
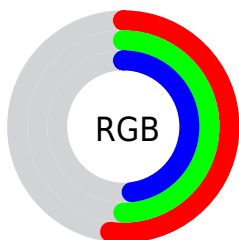
Format	Color
<a href="#">RYB</a>	<a href="#">133, 130, 123</a>
Decimal	<a href="#">8748923</a>
CIELab	<a href="#">53.60, 1.51, 2.97</a>
CIELCh	<a href="#">54, 3.335, 63.091</a>
Yxy	<a href="#">21.5963, 0.3244, 0.3362</a>
Android (android.graphics.Color)	<a href="#">4286939003</a> (0xFF857F7B)
YUV	<a href="#">128.3380, -2.6316, 4.0886</a>
Hunter-Lab	<a href="#">46.4708, -1.2849, 4.7045</a>

# Details

The HunterLab color  $[46.4708, -1.2849, 4.7045]$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $[46.4807, -3.5666, 0.2729]$ , and the grayscale version is  $[46.6031, -2.4866, 2.5320]$ .

A 20% lighter version of the original color is  $[67.9535, -2.5283, 6.4416]$ , and  $[27.8966, -0.6520, 3.4091]$  is the 20% darker color. If you saturate the color by 10%, you get  $[43.9384, 0.5845, 7.2940]$ , and if you desaturate by 10%, it is  $[49.0868, -2.9933, 1.9249]$ .

# Distribution





# Brightness & Saturation Gradients

These gradients show how the HunterLab color 46.4708, -1.2849, 4.7045 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 46.4708, -1.2849, 4.7045 by changing the saturation by 10% instead.





 46.4708, -1.2849,  
4.7045


 46.4708, -1.2849,  
4.7045


161.3787, -6.8134,  
12.1255


 36.8247, -0.8592,  
4.0093

 67.8807, -2.2701,  
6.1773

 27.9565, -0.4815,  
3.3399


 79.5566, -2.8206,  
6.9528

 19.9430, -0.1596,  
2.6957

 91.8344, -3.4069,  
7.7540

 12.8873, 0.0969,  
2.0729

104.6859, -4.0269,  
8.5803

 6.3095, 0.7053,  
2.2971

118.0866, -4.6789,  
9.4311

0.0000, NaN, NaN

0.0000, NaN, NaN


132.0148, -5.3615,


10.3060


0.0000, NaN, NaN


146.4512, -6.0734,  
11.2043


0.0000, NaN, NaN


 46.4708, -1.2849,  
4.7045

 46.4708, -1.2849,  
4.7045


 43.9384, 0.5845,  
7.2940


 49.0868, -2.9933,  
1.9249


 41.4949, 2.6328,  
9.6643

 51.7762, -4.5514,  
-1.0244


 39.1506, 4.8719,  
11.7855

 54.5338, -5.9744,  
-4.1231

 36.9162, 7.3122,  
13.6224

 57.3539, -7.2750,  
-7.3550

 34.8034, 9.9586,  
15.1365

 60.2318, -8.4652,  
-10.7063

■ 32.8254, 12.8074,  
16.2880

■ 63.1633, -9.5558,  
-14.1652

■ 30.9958, 15.8415,  
17.0400

■ 66.1446, -10.5564,  
-17.7218

■ 29.3288, 19.0248,  
17.3662

■ 69.1725, -11.4757,  
-21.3675

■ 27.8324, 22.2727,  
17.3382

■ 72.2441, -12.3215,  
-25.0952

# Harmonies

## Analogous

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



46.4718, -0.2586, 3.8746



46.4708, -1.2849, 4.7045



46.4718, -2.6238, 4.9586

# Triad

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



46.4718, -1.2861, 4.7052



46.4718, -5.0786, 2.3945



46.4718, -1.0378, 0.3848

# Complementary

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



46.4708, -1.2849, 4.7045



46.4807, -3.5666, 0.2729

# 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.



46.4718, -2.3402, -0.0380



46.4708, -1.2849, 4.7045



46.4718, -4.6646, 1.1431

# Square

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



46.4718, -1.2861, 4.7052



46.4718, -4.8037, 3.6474



46.4718, -3.6661, 0.2434



46.4718, -0.1141, 1.3833



# Rectangle

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



46.4708, -1.2849, 4.7045



46.4718, -3.5089, 4.7721



46.4718, -3.6661, 0.2434



46.4718, -1.4464, 0.1694

# Sweetspot

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



46.4718, -1.2861, 4.7052



64.0909, -2.9973, 4.2898



45.5387, 1.5186, 1.0465



30.4443, -1.4380, 2.0109



82.0889, -4.3801, 4.4600



30.7619, -1.6414, 1.6714



# Same Dimension

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



46.4718, -1.2861, 4.7052



61.6091, -1.3149, 6.8994



47.8743, -3.6184, 6.2289



22.2980, -0.4827, 2.4857



26.8522, 22.4346, 16.9389



1.9650, 0.4672, 1.2190



# Inverse Universe

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



46.4807, -3.5666, 0.2729



61.6236, -5.0445, -0.3497



45.0777, -1.2340, -1.4318



22.3032, -1.8203, -0.1142



26.5736, -1.1166, -30.8043

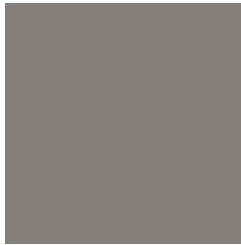


1.9695, -0.6759, -1.0027



# Previews

## White Background



This preview shows how the HunterLab color 46.4708, -1.2849, 4.7045 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

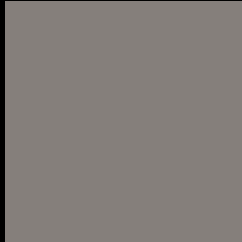
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 46.4708, -1.2849, 4.7045 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

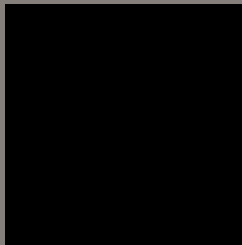
Any Text WCAG AA ✓ Pass

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 46.4708, -1.2849, 4.7045 Background



This preview shows how black text looks on a background with the HunterLab color 46.4708, -1.2849, 4.7045.



This preview shows how white text looks on a background with the HunterLab color 46.4708, -1.2849,



# 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

46.4708, -1.2849, 4.7045

### Protanopia

46.2970, -1.8862, 4.4971

### Deuteranopia

46.4987, 3.0852, 4.3919



## Tritanopia

46.4407, 2.1292, -0.6098

# Trichromacy



## Original Color

46.4708, -1.2849, 4.7045

## Protanomaly

46.3836, -1.5865, 4.6005

## Deuteranomaly

46.4881, 1.6568, 4.3548

## Tritanomaly

46.5067, 0.7080, 1.2947

# Monochromacy



## Original Color

46.4708, -1.2849, 4.7045

## Achromatopsia

46.4608, -2.4790, 2.5243

## Achromatomaly

46.5731, -2.2009, 3.5312

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 46.4708, -1.2849, 4.7045 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(133, 127, 123) looks like.

```
.text, #text, p{  
    color:rgb(133, 127, 123)  
}
```

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(133, 127, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 127, 123) }
```

## Border

The CSS property to change the border of an element to HunterLab 46.4708, -1.2849, 4.7045 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(133, 127, 123) }
```



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

```
.border{ border-color:rgb(133, 127, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 127, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 127, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 127, 123);  
box-shadow:4px 4px 4px 4px rgb(133, 127,  
123) }
```

# Background

The CSS property to change the background color of an element to HunterLab 46.4708, -1.2849, 4.7045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 127, 123) }
```

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

```
.background{ background-color: rgb(133,  
127, 123) }
```

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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