

# Converting Colors

HunterLab(46.3499, -2.4731,  
2.5183)

Have a look what the booklet for  
HunterLab(46.3499, -2.4731, 2.5183)  
contains.

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# Color

**HunterLab(46.4608, -2.4790,  
2.5243)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	808080
RGB	128, 128, 128
RGB Percent	50%, 50%, 50%
CMY	0.4980, 0.4980, 0.4980
CMYK	0.00, 0.00, 0.00, 0.50
HSL	120°, 0%, 50%
HSV	120°, 0%, 50%
XYZ	20.5176, 21.5861, 23.5072
YIQ	128.0000, -0.0000, -0.0000

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 128, 128
Decimal	8421504
CIELab	53.59, 0.00, -0.01
CIELCh	54, 0.006, 289.435
Yxy	21.5870, 0.3127, 0.3290
Android (android.graphics.Color)	4286611584 (0xFF808080)
YUV	128.0000, 0.0000, 0.0000
Hunter-Lab	46.4608, -2.4790, 2.5243

# Details

The HunterLab color  $46.4608, -2.4790, 2.5243$  is a dark color, and the websafe version is hex  $999999$ , and the color name is [gray](#). A complement of this color would be  $46.4614, -2.4781, 2.5237$ , and the grayscale version is  $46.4617, -2.4791, 2.5244$ .

A 20% lighter version of the original color is  $67.9762, -3.6270, 3.6933$ , and  $27.9620, -1.4920, 1.5192$  is the 20% darker color. If you saturate the color by 10%, you get  $45.1021, -7.9829, 6.2504$ , and if you desaturate by 10%, it is  $47.9574, 3.3879, -1.4478$ .

# Distribution



- Red (50%)
- Green (50%)
- Blue (50%)



- Red (50%)
- Yellow (50%)
- Blue (50%)



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (50%)



- Cyan (50%)
- Magenta (50%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 46.4608, -2.4790, 2.5243 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 46.4608, -2.4790, 2.5243 by changing the saturation by 10% instead.



■ 46.4608, -2.4790,  
2.5243

■ 46.4608, -2.4790,  
2.5243

161.3635, -8.6163,  
8.7774

■ 36.8154, -1.9650,  
2.0003

■ 67.8693, -3.6233,  
3.6898

■ 27.9481, -1.4915,  
1.5179

■ 79.5446, -4.2468,  
4.3250

■ 19.9354, -1.0637,  
1.0821

■ 91.8218, -4.9024,  
4.9931

■ 12.8808, -0.6870,  
0.6985

104.6728, -5.5887,  
5.6924

■ 6.3008, -0.3352,  
0.3395

118.0729, -6.3044,  
6.4216

0.0000, NaN, NaN

132.0006, -7.0482,

0.0000, NaN, NaN

7.1795

0.0000, NaN, NaN

146.4366, -7.8192,  
7.9651

0.0000, NaN, NaN

■ 46.4608, -2.4790,  
2.5243

■ 46.4608, -2.4790,  
2.5243

■ 45.1021, -7.9829,  
6.2504

■ 47.9574, 3.3879,  
-1.4478

■ 43.8840, -13.0616,  
9.6881

■ 49.5827, 9.5642,  
-5.6295

■ 42.8118, -17.6579,  
12.7987

■ 51.3306, 15.9963,  
-9.9843

■ 41.8884, -21.7183,  
15.5457

■ 53.1942, 22.6373,  
-14.4804

■ 41.1146, -25.1984,  
17.8989

■ 55.1663, 29.4462,  
-19.0898

■ 40.4888, -28.0674,  
19.8376

■ 57.2400, 36.3882,  
-23.7890

■ 40.0066, -30.3129,  
21.3533

■ 59.4087, 43.4344,  
-28.5581

■ 39.6602, -31.9449,  
22.4531

■ 61.6660, 50.5608,  
-33.3810

■ 39.4382, -32.9995,  
23.1617

■ 64.0060, 57.7484,  
-38.2448

# Harmonies

## Analogous

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



46.4618, -2.4824, 2.5249



46.4608, -2.4790, 2.5243



46.4618, -2.4782, 2.5263

# Triad

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



46.4618, -2.4801, 2.5250



46.4618, -2.4787, 2.5323



46.4618, -2.4860, 2.5298

# Complementary

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



46.4608, -2.4790, 2.5243



46.4614, -2.4781, 2.5237

# 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.



46.4618, -2.4850, 2.5318



46.4608, -2.4790, 2.5243



46.4618, -2.4808, 2.5332

# Square

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



46.4618, -2.4801, 2.5250



46.4618, -2.4774, 2.5305



46.4618, -2.4831, 2.5330



46.4618, -2.4858, 2.5276



# Rectangle

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



46.4608, -2.4790, 2.5243



46.4618, -2.4774, 2.5276



46.4618, -2.4831, 2.5330



46.4618, -2.4857, 2.5305

# Sweetspot

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



46.4618, -2.4801, 2.5250



61.6487, -3.2894, 3.3495



46.4620, -2.4794, 2.5253



29.8298, -1.5916, 1.6207



80.9895, -4.3214, 4.4003

# Same Dimension

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



46.4618, -2.4801, 2.5250



61.6487, -3.2894, 3.3495



46.4618, -2.4799, 2.5246



22.5557, -1.2035, 1.2255



39.1281, -33.5402, 23.5234

0.0000, NaN, NaN



# Inverse Universe

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



46.4614, -2.4781, 2.5237



61.6487, -3.2894, 3.3495



46.4614, -2.4782, 2.5241



22.5557, -1.2035, 1.2255



24.6453, 48.4761, -32.6809

0.0000, NaN, NaN



# Previews

## White Background



This preview shows how the HunterLab color 46.4608, -2.4790, 2.5243 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 46.4608, -2.4790, 2.5243 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

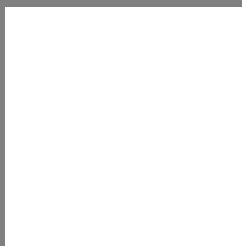
If you want to check with other color combinations, try the [Color Contrast Checker](#).



# HunterLab 46.4608, -2.4790, 2.5243 Background



This preview shows how black text looks on a background with the HunterLab color 46.4608, -2.4790, 2.5243.



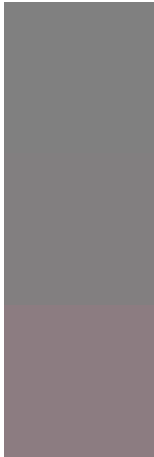
This preview shows how white text looks on a background with the HunterLab color 46.4608, -2.4790,



# 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

46.4608, -2.4790, 2.5243

### Protanopia

46.3498, -1.4260, 2.4120

### Deuteranopia

46.4497, 3.1997, 2.1680



## Tritanopia

46.5317, -0.2665, -1.4880

# Trichromacy



## Original Color

46.4608, -2.4790, 2.5243

## Protanomaly

46.2649, -1.7199, 2.3065

## Deuteranomaly

46.3535, 1.4797, 2.0236

## Tritanomaly

46.4404, -0.7630, -0.1918

# Monochromacy



## Original Color

46.4608, -2.4790, 2.5243

## Achromatopsia

46.4608, -2.4790, 2.5243

## Achromatomaly

46.4608, -2.4790, 2.5243

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 46.4608, -2.4790, 2.5243 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, 128, 128)` looks like.

```
.text, #text, p{  
    color:rgb(128, 128, 128)  
}
```

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, 128, 128) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to HunterLab 46.4608, -2.4790, 2.5243 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, 128, 128) }
```

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

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

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

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

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



# Background

The CSS property to change the background color of an element to HunterLab 46.4608, -2.4790, 2.5243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(128,  
128, 128) }
```

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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