

# Converting Colors

HunterLab(45.2584, -0.5827,  
5.0138)

Have a look what the booklet for  
HunterLab(45.2584, -0.5827, 5.0138)  
contains.

<b>HunterLab(45.1701, -0.2958, 4.9200)</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(45.1701, -0.2958,  
4.9200)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	847B77
RGB	132, 123, 119
RGB Percent	52%, 48%, 47%
CMY	0.4824, 0.5176, 0.5333
CMYK	0.00, 0.07, 0.10, 0.48
HSL	18°, 5%, 49%
HSV	18°, 10%, 52%
XYZ	19.9285, 20.4034, 20.3407
YIQ	125.2350, 6.6480, 0.6640

# Conversions

## Conversions Part 2

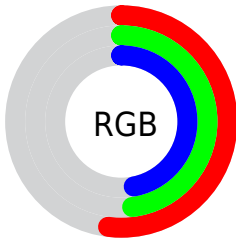
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 125, 119
Decimal	8682359
CIELab	52.29, 2.68, 3.41
CIElCh	52, 4.341, 51.804
Yxy	20.4043, 0.3285, 0.3363
Android (android.graphics.Color)	4286872439 (0xFF847B77)
YUV	125.2350, -3.0739, 5.9329
Hunter-Lab	45.1701, -0.2958, 4.9200

# Details

The HunterLab color  $45.1701, -0.2958, 4.9200$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $45.8539, -4.3671, -0.0481$ , and the grayscale version is  $45.3882, -2.4218, 2.4660$ .

A 20% lighter version of the original color is  $66.2680, -0.9837, 6.3458$ , and  $26.8170, 0.6850, 3.3567$  is the 20% darker color. If you saturate the color by 10%, you get  $42.3637, 2.1677, 7.1343$ , and if you desaturate by 10%, it is  $48.0805, -2.5968, 2.5733$ .

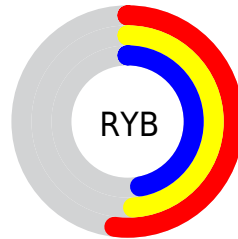
# Distribution



Red (52%)

Green (48%)

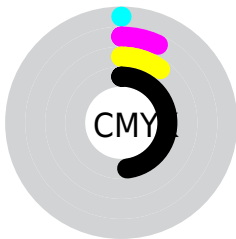
Blue (47%)



Red (52%)

Yellow (49%)

Blue (47%)

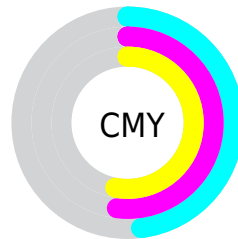


Cyan (0%)

Magenta (7%)

Yellow (10%)

Black (48%)



Cyan (48%)

Magenta (52%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 45.1701, -0.2958, 4.9200 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 45.1701, -0.2958, 4.9200 by changing the saturation by 10% instead.



■ 45.1701, -0.2958,  
4.9200

■ 45.1701, -0.2958,  
4.9200

159.4037, -5.3096,  
12.4876

■ 35.6220, 0.0550,  
4.2021

■ 66.4033, -1.1461,  
6.4324

■ 26.8606, 0.3511,  
3.5074

■ 77.9983, -1.6349,  
7.2257

■ 18.9654, 0.5825,  
2.8339

■ 90.1993, -2.1625,  
8.0436

■ 12.0446, 0.7360,  
2.1756

102.9774, -2.7264,  
8.8857

■ 5.0364, 2.0533,  
3.0818

116.3077, -3.3247,  
9.7517

0.0000, NaN, NaN

130.1682, -3.9557,

0.0000, NaN, NaN

10.6409

0.0000, NaN, NaN

144.5394, -4.6177,  
11.5531

0.0000, NaN, NaN

■ 45.1701, -0.2958,  
4.9200

■ 45.1701, -0.2958,  
4.9200

■ 42.3637, 2.1677,  
7.1343

■ 48.0805, -2.5968,  
2.5733

■ 39.6704, 4.8120,  
9.1895

■ 51.0817, -4.7474,  
0.1119

■ 37.1054, 7.6473,  
11.0557

■ 54.1656, -6.7639,  
-2.4476

■ 34.6850, 10.6791,  
12.6960

■ 57.3249, -8.6611,  
-5.0926

■ 32.4281, 13.9011,  
14.0670

■ 60.5529, -10.4520,  
-7.8129

■ 30.3553, 17.2893,  
15.1211

■ 63.8443, -12.1485,  
-10.6003

■ 28.4888, 20.7936,  
15.8108

■ 67.1941, -13.7613,  
-13.4480

■ 26.8509, 24.3293,  
16.1003

■ 70.5981, -15.2997,  
-16.3506

■ 25.4494, 27.7228,  
16.1537

■ 74.0528, -16.7720,  
-19.3036

# Harmonies

## Analogous

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



45.1711, 0.7785, 3.6404



45.1701, -0.2958, 4.9200



45.1711, -1.9283, 5.5359

# Triad

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



45.1711, -0.2970, 4.9207



45.1711, -5.7196, 2.9161



45.1711, -1.1464, -0.6393

# Complementary

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



45.1701, -0.2958, 4.9200



45.8539, -4.3671, -0.0481

# 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.



45.1711, -2.8949, -0.8513



45.1701, -0.2958, 4.9200



45.1711, -5.5175, 1.2444

# Square

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



45.1711, -0.2970, 4.9207



45.1711, -5.0464, 4.4079



45.1711, -4.4900, -0.1500



45.1711, 0.2828, 0.4187



# Rectangle

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



45.1701, -0.2958, 4.9200



45.1711, -3.1041, 5.5032



45.1711, -4.4900, -0.1500



45.1711, -1.7170, -0.8135

# Sweetspot

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



45.1711, -0.2970, 4.9207



62.5560, -2.4867, 4.4358



44.3403, 2.9812, 0.0205



30.0453, -1.0917, 2.2527



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.



45.1711, -0.2970, 4.9207



59.0368, 0.3765, 7.2591



46.9508, -3.2802, 6.8335



22.1481, -0.2281, 2.3217



25.0402, 27.2780, 15.9072



1.8303, 0.7412, 1.1408



# Inverse Universe

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



45.8539, -4.3671, -0.0481



60.1627, -6.3363, -0.9344



44.0559, -1.3988, -2.2560



22.4574, -2.0713, 0.0713



29.8780, -6.3467, -23.6441



2.0953, -0.8445, -0.7958



# Previews

## White Background



This preview shows how the HunterLab color 45.1701, -0.2958, 4.9200 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

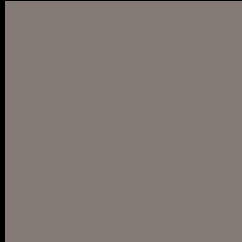
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 45.1701, -0.2958, 4.9200 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

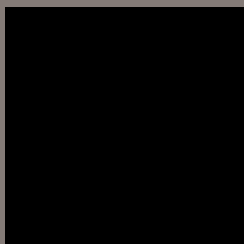
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

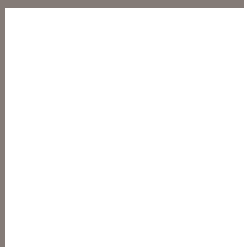
Any Text WCAG AAA × Fail

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

## HunterLab 45.1701, -0.2958, 4.9200 Background



This preview shows how black text looks on a background with the HunterLab color 45.1701, -0.2958, 4.9200.



This preview shows how white text looks on a background with the HunterLab color 45.1701, -0.2958,

4.9200.

# 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

45.1701, -0.2958, 4.9200

### Protanopia

45.1227, -1.8254, 4.4240

### Deuteranopia

45.2721, 2.8422, 5.0894



## Tritanopia

45.1462, 3.0978, -0.3268

# Trichromacy



## Original Color

45.1701, -0.2958, 4.9200

## Protanomaly

45.2090, -1.5267, 4.5270

## Deuteranomaly

45.2606, 1.4162, 5.0516

## Tritanomaly

45.2083, 1.6820, 1.5537

# Monochromacy



## Original Color

45.1701, -0.2958, 4.9200

## Achromatopsia

45.2856, -2.4163, 2.4605

## Achromatomaly

45.2046, -1.3781, 3.2530

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 45.1701, -0.2958, 4.9200 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(132, 123, 119)` looks like.

```
.text, #text, p{  
    color:rgb(132, 123, 119)  
}
```

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(132, 123, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 123, 119) }
```

## Border

The CSS property to change the border of an element to HunterLab 45.1701, -0.2958, 4.9200 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(132, 123, 119) }
```



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

```
.border{ border-color:rgb(132, 123, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 123, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 123, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 123, 119);  
box-shadow:4px 4px 4px 4px rgb(132, 123,  
119) }
```

# Background

The CSS property to change the background color of an element to HunterLab 45.1701, -0.2958, 4.9200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 123, 119) }
```

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

```
.background{ background-color: rgb(132,  
123, 119) }
```

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