

# Converting Colors

HunterLab(44.5543, -1.1199,  
3.8517)

Have a look what the booklet for  
HunterLab(44.5543, -1.1199, 3.8517)  
contains.

<b>HunterLab(44.5694, -0.8933, 3.8096)</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(44.5694, -0.8933,  
3.8096)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	807A78
RGB	128, 122, 120
RGB Percent	50%, 48%, 47%
CMY	0.4980, 0.5216, 0.5294
CMYK	0.00, 0.05, 0.06, 0.50
HSL	15°, 3%, 49%
HSV	15°, 6%, 50%
XYZ	19.2518, 19.8643, 20.5888
YIQ	123.5660, 4.2180, 0.6500

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 123, 120
Decimal	8419960
CIE <sub>Lab</sub>	51.68, 1.90, 1.90
CIE <sub>LCh</sub>	52, 2.688, 45.051
Yxy	19.8652, 0.3224, 0.3327
Android (android.graphics.Color)	4286610040 (0xFF807A78)
YUV	123.5660, -1.7580, 3.8886
Hunter-Lab	44.5694, -0.8933, 3.8096

# Details

The HunterLab color  $44.5694, -0.8933, 3.8096$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $45.2470, -3.8215, 1.0535$ , and the grayscale version is  $44.7320, -2.3868, 2.4304$ .

A 20% lighter version of the original color is  $65.6311, -1.6082, 5.1546$ , and  $26.2588, 0.1133, 2.3395$  is the 20% darker color. If you saturate the color by 10%, you get  $41.6333, 1.7677, 5.7971$ , and if you desaturate by 10%, it is  $47.6144, -3.4026, 1.7383$ .

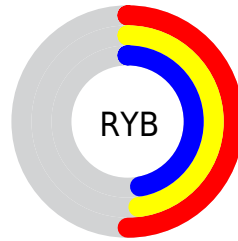
# Distribution



Red (50%)

Green (48%)

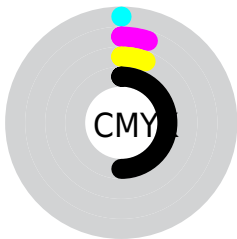
Blue (47%)



Red (50%)

Yellow (48%)

Blue (47%)



Cyan (0%)

Magenta (5%)

Yellow (6%)

Black (50%)



Cyan (50%)

Magenta (52%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 44.5694, -0.8933, 3.8096 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 44.5694, -0.8933, 3.8096 by changing the saturation by 10% instead.



■ 44.5694, -0.8933,  
3.8096

■ 44.5694, -0.8933,  
3.8096

■ 158.4880, -6.2051,  
10.7595

■ 35.0672, -0.4995,  
3.1831

■ 65.7199, -1.8212,  
5.1587

■ 26.3559, -0.1569,  
2.5885

■ 77.2771, -2.3457,  
5.8777

■ 18.5164, 0.1256,  
2.0273

■ 89.4422, -2.9072,  
6.6252

■ 11.6591, 0.3366,  
1.4991

■ 102.1860, -3.5037,  
7.4002

■ 4.3183, 1.6854,  
2.0610

■ 115.4835, -4.1332,  
8.2020

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 129.3124, -4.7941,

9.0296

0.0000, NaN, NaN

143.6531, -5.4852,  
9.8823

0.0000, NaN, NaN

■ 44.5694, -0.8933,  
3.8096

■ 44.5694, -0.8933,  
3.8096

■ 41.6333, 1.7677,  
5.7971

■ 47.6144, -3.4026,  
1.7383

■ 38.8168, 4.5985,  
7.6799

■ 50.7540, -5.7725,  
-0.4046

■ 36.1369, 7.6094,  
9.4338

■ 53.9797, -8.0197,  
-2.6075

■ 33.6124, 10.8043,  
11.0268

■ 57.2832, -10.1583,  
-4.8622

■ 31.2654, 14.1740,  
12.4186

■ 60.6578, -12.2016,  
-7.1621

■ 29.1206, 17.6876,  
13.5610

■ 64.0975, -14.1610,  
-9.5024

■ 27.2052, 21.2825,  
14.4006

■ 67.5973, -16.0468,  
-11.8792

■ 25.5465, 24.8549,  
14.8880

■ 71.1529, -17.8680,  
-14.2894

■ 24.1653, 28.2411,  
15.0468

■ 74.7605, -19.6324,  
-16.7306

# Harmonies

## Analogous

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



44.5704, -0.3443, 2.9393



44.5694, -0.8933, 3.8096



44.5704, -1.8402, 4.3044

# Triad

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



44.5704, -0.8945, 3.8103



44.5704, -4.3818, 2.9359



44.5704, -1.8365, 0.4632

# Complementary

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



44.5694, -0.8933, 3.8096



45.2470, -3.8215, 1.0535

# 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.



44.5704, -2.9184, 0.4622



44.5694, -0.8933, 3.8096



44.5704, -4.3809, 1.9067

# Square

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



44.5704, -0.8945, 3.8103



44.5704, -3.8500, 3.8079



44.5704, -3.8474, 0.9960



44.5704, -0.8918, 0.9986



# Rectangle

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



44.5694, -0.8933, 3.8096



44.5704, -2.5644, 4.3613



44.5704, -3.8474, 0.9960



44.5704, -2.1964, 0.4000

# Sweetspot

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



44.5704, -0.8945, 3.8103



60.8216, -2.6096, 3.9126



44.1914, 0.9648, 0.7644



29.4576, -1.2859, 1.8741



80.9895, -4.3214, 4.4003



29.8298, -1.5916, 1.6207



# Same Dimension

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



44.5704, -0.8945, 3.8103



58.7787, -0.8737, 5.3011



45.6807, -2.7537, 5.0364



21.4891, -0.3052, 1.9508



23.6196, 29.2601, 15.0665

0.0000, NaN, NaN



# Inverse Universe

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



45.2470, -3.8215, 1.0535



59.8065, -5.3201, 1.1137



44.1259, -1.9714, -0.2849



21.8711, -1.9579, 0.3944



31.3624, -9.3022, -19.1195

0.0000, NaN, NaN



# Previews

## White Background



This preview shows how the HunterLab color 44.5694, -0.8933, 3.8096 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

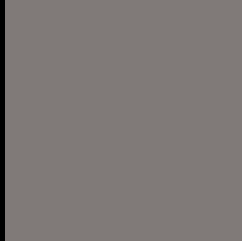
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 44.5694, -0.8933, 3.8096 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

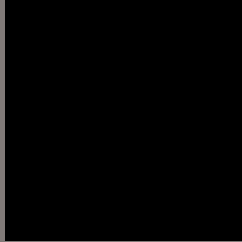
Any Text WCAG AA ✓ Pass

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 44.5694, -0.8933, 3.8096 Background



This preview shows how black text looks on a background with the HunterLab color 44.5694, -0.8933, 3.8096.



This preview shows how white text looks on a background with the HunterLab color 44.5694, -0.8933,



# 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

44.5694, -0.8933, 3.8096

### Protanopia

44.6739, -1.9537, 3.9107

### Deuteranopia

44.5066, 3.1339, 3.3819



## Tritanopia

44.3979, 1.9046, -0.8118

# Trichromacy



## Original Color

44.5694, -0.8933, 3.8096

## Protanomaly

44.7594, -1.6577, 4.0136

## Deuteranomaly

44.4971, 1.7201, 3.3462

## Tritanomaly

44.5514, 0.7912, 1.1975

# Monochromacy



## Original Color

44.5694, -0.8933, 3.8096

## Achromatopsia

44.8950, -2.3955, 2.4392

## Achromatomaly

44.6721, -1.7945, 2.6246

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 44.5694, -0.8933, 3.8096 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, 122, 120)` looks like.

```
.text, #text, p{  
    color:rgb(128, 122, 120)  
}
```

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, 122, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 122, 120) }
```

## Border

The CSS property to change the border of an element to HunterLab 44.5694, -0.8933, 3.8096 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, 122, 120) }
```



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

```
.border{ border-color:rgb(128, 122, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 122, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 122, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 122, 120);  
box-shadow:4px 4px 4px 4px rgb(128, 122,  
120) }
```

# Background

The CSS property to change the background color of an element to HunterLab 44.5694, -0.8933, 3.8096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 122, 120) }
```

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

```
.background{ background-color: rgb(128,  
122, 120) }
```

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