

# Converting Colors

HunterLab(41.6016, -1.8495,  
7.8158)

Have a look what the booklet for  
HunterLab(41.6016, -1.8495, 7.8158)  
contains.

<b>HunterLab(41.6634, -1.9834, 7.7495)</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(41.6634, -1.9834,  
7.7495)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7A7366
RGB	122, 115, 102
RGB Percent	48%, 45%, 40%
CMY	0.5216, 0.5490, 0.6000
CMYK	0.00, 0.06, 0.16, 0.52
HSL	39°, 9%, 44%
HSV	39°, 16%, 48%
XYZ	16.5551, 17.3584, 15.0484
YIQ	115.6110, 8.3450, -2.5590

# Conversions

## Conversions Part 2

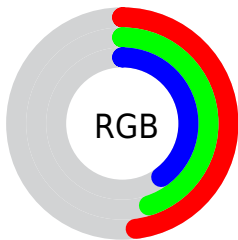
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	113, 122, 102
Decimal	8024934
CIE Lab	48.71, 0.32, 8.16
CIE LCh	49, 8.169, 87.781
Yxy	17.3592, 0.3381, 0.3545
Android (android.graphics.Color)	4286215014 (0xFF7A7366)
YUV	115.6110, -6.7102, 5.6032
Hunter-Lab	41.6634, -1.9834, 7.7495

# Details

The HunterLab color  $41.6634, -1.9834, 7.7495$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $38.9447, -1.8727, -4.0667$ , and the grayscale version is  $41.6644, -2.2231, 2.2637$ .

A 20% lighter version of the original color is  $62.4910, -2.9647, 9.8615$ , and  $23.8885, -1.1232, 5.7295$  is the 20% darker color. If you saturate the color by 10%, you get  $40.2287, -1.5420, 10.5711$ , and if you desaturate by 10%, it is  $43.1457, -2.2608, 4.5877$ .

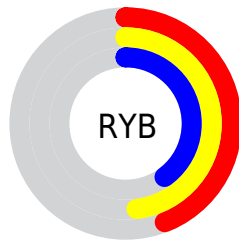
# Distribution



Red (48%)

Green (45%)

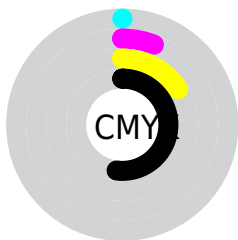
Blue (40%)



Red (44%)

Yellow (48%)

Blue (40%)

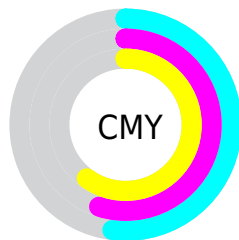


Cyan (0%)

Magenta (6%)

Yellow (16%)

Black (52%)



Cyan (52%)

Magenta (55%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 41.6634, -1.9834, 7.7495 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 41.6634, -1.9834, 7.7495 by changing the saturation by 10% instead.



■ 41.6634, -1.9834,  
7.7495

■ 41.6634, -1.9834,  
7.7495

■ 154.0239, -7.8546,  
17.2358

■ 32.3897, -1.5086,  
6.7352

■ 62.4037, -3.0577,  
9.7809

■ 23.9283, -1.0778,  
5.7084

■ 73.7739, -3.6492,  
10.8068

■ 16.3676, -0.6977,  
4.6517

■ 85.7614, -4.2745,  
11.8435

■ 9.8312, -0.3761,  
3.9921

■ 98.3358, -4.9318,  
12.8929

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 111.4710, -5.6198,  
13.9561

0.0000, NaN, NaN

■ 125.1440, -6.3369,

0.0000, NaN, NaN

15.0339

0.0000, NaN, NaN

139.3344, -7.0822,  
16.1270

■ 41.6634, -1.9834,  
7.7495

■ 41.6634, -1.9834,  
7.7495

■ 40.2287, -1.5420,  
10.5711

■ 43.1457, -2.2608,  
4.5877

■ 38.8412, -0.9255,  
13.0294

■ 44.6707, -2.3787,  
1.1052

■ 37.5041, -0.1288,  
15.1049

■ 46.2369, -2.3468,  
-2.6763

■ 36.2197, 0.8526,  
16.7801

■ 47.8425, -2.1735,  
-6.7367

■ 34.9899, 2.0207,  
18.0411

■ 49.4852, -1.8673,  
-11.0567

■ 33.8165, 3.3740,  
18.8812

■ 51.1633, -1.4364,  
-15.6183

■ 32.7007, 4.9060,  
19.3038

■ 52.8750, -0.8884,  
-20.4048

■ 31.6396, 6.5870,  
19.3747

■ 54.6186, -0.2309,  
-25.4007

■ 31.2654, 7.2014,  
19.3917

■ 56.3925, 0.5292,  
-30.5917

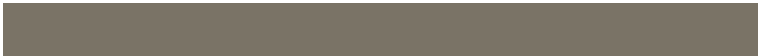
# Harmonies

## Analogous

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



41.6643, 1.1379, 6.9630



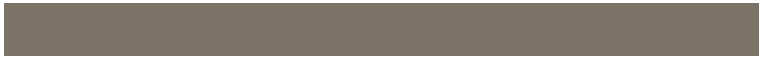
41.6634, -1.9834, 7.7495



41.6643, -5.0807, 7.1636

# Triad

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



41.6643, -1.9846, 7.7501



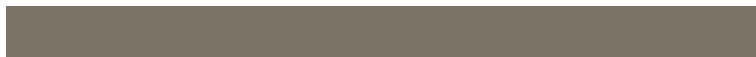
41.6643, -7.5790, -0.5808



41.6643, 3.1602, -1.0066

# Complementary

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



41.6634, -1.9834, 7.7495



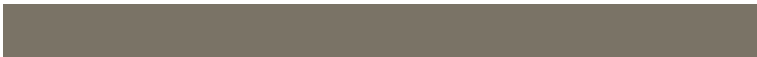
38.9447, -1.8727, -4.0667

# 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.



41.6643, 0.7091, -3.3050



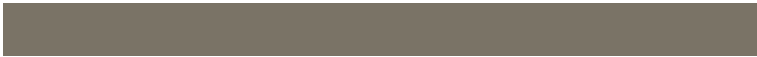
41.6634, -1.9834, 7.7495



41.6643, -5.4852, -3.0464

# Square

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



41.6643, -1.9846, 7.7501



41.6643, -8.2515, 2.4960



41.6643, -2.4655, -4.0781

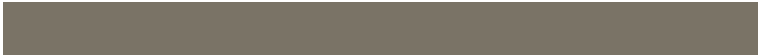


41.6643, 4.1640, 2.0385



# Rectangle

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



41.6634, -1.9834, 7.7495



41.6643, -6.7258, 6.0458



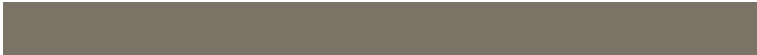
41.6643, -2.4655, -4.0781



41.6643, 2.4746, -1.9006

# Sweetspot

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



41.6643, -1.9846, 7.7501



57.4819, -3.0300, 5.5202



38.3988, 5.0315, 1.4095



27.4327, -1.4425, 2.7591



78.7982, -4.2045, 4.2813

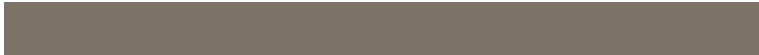


27.9800, -1.4929, 1.5202



# Same Dimension

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



41.6643, -1.9846, 7.7501



54.4766, -2.4195, 11.8660



43.3596, -6.0356, 9.4232



20.9977, -1.0820, 2.6855



32.0559, 7.4374, 19.8829



68.8295, 18.5678, 42.7375



# Inverse Universe

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



38.9447, -1.8727, -4.0667



49.9904, -2.2210, -7.6540



37.2980, 2.1609, -6.2484



20.2528, -1.0540, -0.5462



18.0547, 13.7704, -52.2932

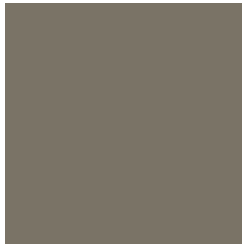


37.5365, 34.9282, -122.3174



# Previews

## White Background



This preview shows how the HunterLab color 41.6634, -1.9834, 7.7495 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

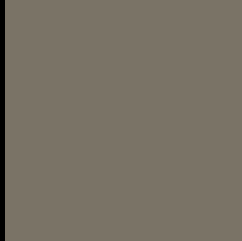
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 41.6634, -1.9834, 7.7495 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

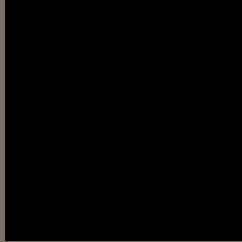
Any Text WCAG AA × Fail

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 41.6634, -1.9834, 7.7495 Background



This preview shows how black text looks on a background with the HunterLab color 41.6634, -1.9834, 7.7495.



This preview shows how white text looks on a background with the HunterLab color 41.6634, -1.9834,



# 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

41.6634, -1.9834, 7.7495

### Protanopia

41.5761, -2.2867, 7.6529

### Deuteranopia

41.5376, 3.1498, 7.3343



## Tritanopia

41.6279, 3.0608, -0.0597

# Trichromacy



## Original Color

41.6634, -1.9834, 7.7495

## Protanomaly

41.5761, -2.2867, 7.6529

## Deuteranomaly

41.4208, 1.3964, 7.1800

## Tritanomaly

41.6056, 1.2173, 2.9723

# Monochromacy



## Original Color

41.6634, -1.9834, 7.7495

## Achromatopsia

41.7908, -2.2299, 2.2706

## Achromatomaly

41.8211, -2.3955, 4.4072

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 41.6634, -1.9834, 7.7495 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(122, 115, 102)` looks like.

```
.text, #text, p{  
    color:rgb(122, 115, 102)  
}
```

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(122, 115, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 115, 102) }
```

## Border

The CSS property to change the border of an element to HunterLab 41.6634, -1.9834, 7.7495 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(122, 115, 102) }
```



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

```
.border{ border-color:rgb(122, 115, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 115, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 115, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 115, 102);  
box-shadow:4px 4px 4px 4px rgb(122, 115,  
102) }
```

# Background

The CSS property to change the background color of an element to HunterLab 41.6634, -1.9834, 7.7495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 115, 102) }
```

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

```
.background{ background-color: rgb(122,  
115, 102) }
```

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