

# Converting Colors

HunterLab(38.4433, -4.8275,  
3.2291)

Have a look what the booklet for  
HunterLab(38.4433, -4.8275, 3.2291)  
contains.

<b>HunterLab(38.4207, -4.7633, 3.3808)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

HunterLab(38.4207, -4.7633,  
3.3808)

# Conversions

## Conversions Part 1

Format	Color
Hex	666D68
RGB	102, 109, 104
RGB Percent	40%, 43%, 41%
CMY	0.6000, 0.5725, 0.5922
CMYK	0.06, 0.00, 0.05, 0.57
HSL	137°, 3%, 41%
HSV	137°, 6%, 43%
XYZ	13.4468, 14.7615, 15.2372
YIQ	106.3370, -2.5670, -3.0390

# Conversions

## Conversions Part 2

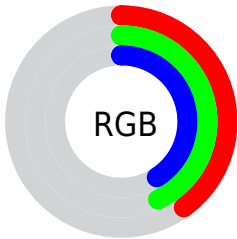
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 107, 109
Decimal	6712680
CIELab	45.31, -3.72, 1.87
CIELCh	45, 4.158, 153.351
Yxy	14.7621, 0.3095, 0.3398
Android (android.graphics.Color)	4284902760 (0xFF666D68)
YUV	106.3370, -1.1521, -3.8035
Hunter-Lab	38.4207, -4.7633, 3.3808

# Details

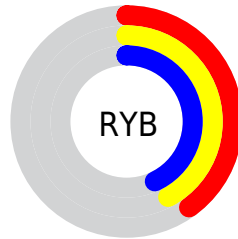
The HunterLab color  $38.4207, -4.7633, 3.3808$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $37.1697, 0.8042, 0.7287$ , and the grayscale version is  $38.0978, -2.0328, 2.0699$ .

A 20% lighter version of the original color is  $58.5495, -6.0493, 4.5695$ , and  $21.3375, -3.5714, 2.3296$  is the 20% darker color. If you saturate the color by 10%, you get  $37.4373, -8.7079, 5.3086$ , and if you desaturate by 10%, it is  $39.5058, -0.5513, 1.4206$ .

# Distribution



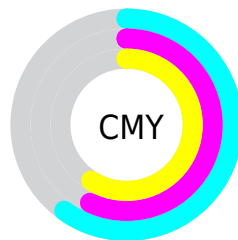
- Red (40%)
- Green (43%)
- Blue (41%)



- Red (40%)
- Yellow (42%)
- Blue (43%)



- Cyan (6%)
- Magenta (0%)
- Yellow (5%)
- Black (57%)



- Cyan (60%)
- Magenta (57%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 38.4207, -4.7633, 3.3808 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 38.4207, -4.7633, 3.3808 by changing the saturation by 10% instead.



■ 38.4207, -4.7633,  
3.3808

■ 38.4207, -4.7633,  
3.3808

148.9704,  
-12.2531, 10.1569

■ 29.4153, -4.0453,  
2.7772

■ 58.6816, -6.2683,  
4.6863

■ 21.2492, -3.3459,  
2.2064

■ 69.8340, -7.0550,  
5.3847

■ 14.0207, -2.6607,  
1.6694

■ 81.6150, -7.8649,  
6.1124

■ 7.6647, -2.5224,  
1.4259

■ 93.9928, -8.6978,  
6.8684

0.0000, NaN, NaN

0.0000, NaN, NaN

106.9400, -9.5534,  
7.6516

0.0000, NaN, NaN

120.4324,

0.0000, NaN, NaN

-10.4314, 8.4613

0.0000, NaN, NaN

134.4488,  
-11.3314, 9.2966

■ 38.4207, -4.7633,  
3.3808

■ 38.4207, -4.7633,  
3.3808

■ 37.4373, -8.7079,  
5.3086

■ 39.5058, -0.5513,  
1.4206

■ 36.5564, -12.3457,  
7.1850

■ 40.6864, 3.8937,  
-0.5583

■ 35.7809, -15.6419,  
8.9919

■ 41.9592, 8.5358,  
-2.5423

■ 35.1119, -18.5651,  
10.7101

■ 43.3195, 13.3426,  
-4.5202

■ 34.5493, -21.0901,  
12.3204

■ 44.7629, 18.2849,  
-6.4834

■ 34.0910, -23.2008,  
13.8047

■ 46.2845, 23.3372,  
-8.4249

■ 33.7334, -24.8923,  
15.1472

■ 47.8799, 28.4776,  
-10.3397

■ 33.4705, -26.1735,  
16.3347

■ 49.5446, 33.6875,  
-12.2243

■ 33.2836, -27.1127,  
17.3497

■ 51.2744, 38.9514,  
-14.0766

# Harmonies

## Analogous

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



38.4215, -3.7294, 4.4573



38.4207, -4.7633, 3.3808



38.4215, -5.0763, 1.9199

# Triad

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



38.4215, -4.7641, 3.3814



38.4215, -1.8721, -0.9474



38.4215, 0.5524, 3.6663

# Complementary

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



38.4207, -4.7633, 3.3808



37.1697, 0.8042, 0.7287

# 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.



38.4215, 1.0685, 2.2621



38.4207, -4.7633, 3.3808



38.4215, -0.3456, -0.4352

# Square

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



38.4215, -4.7641, 3.3814



38.4215, -3.4227, -0.6182



38.4215, 0.7373, 0.7551



38.4215, -0.6621, 4.6170



# Rectangle

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



38.4207, -4.7633, 3.3808



38.4215, -4.8369, 0.9128



38.4215, 0.7373, 0.7551



38.4215, 0.8142, 3.2337

# Sweetspot

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



38.4215, -4.7641, 3.3814



52.0302, -3.9540, 3.3829



38.7609, -3.6686, 4.5917



25.1109, -1.8616, 1.6106



75.5302, -4.0301, 4.1037



25.2436, -1.3469, 1.3715



# Same Dimension

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



38.4215, -4.7641, 3.3814



51.1658, -7.3521, 4.9924



38.5155, -4.2434, 2.0394



18.5949, -2.8187, 1.8861



35.9239, -29.6853, 19.1803



81.0093, -67.5212, 44.5044



# Inverse Universe

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



37.1697, 0.8042, 0.7287



49.0259, 2.1679, 0.4581



37.0729, 0.2803, 2.1085



17.7479, 0.9494, 0.0915



21.0704, 39.1065, -9.8162



47.3993, 87.6926, -19.9123



# Previews

## White Background



This preview shows how the HunterLab color 38.4207, -4.7633, 3.3808 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

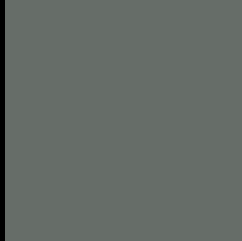
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 38.4207, -4.7633, 3.3808 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

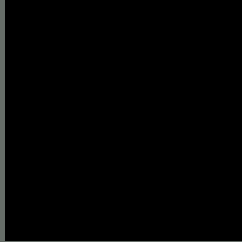
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

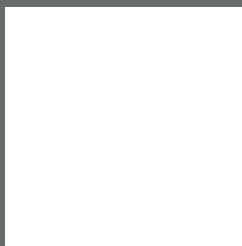
Any Text WCAG AAA × Fail

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

## HunterLab 38.4207, -4.7633, 3.3808 Background



This preview shows how black text looks on a background with the HunterLab color 38.4207, -4.7633, 3.3808.



This preview shows how white text looks on a background with the HunterLab color 38.4207, -4.7633,



# 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

38.4207, -4.7633, 3.3808

### Protanopia

38.4833, -1.7764, 3.9124

### Deuteranopia

38.4345, 2.2705, 3.1063



## Tritanopia

38.3659, -1.4506, -1.9189

# Trichromacy



## Original Color

38.4207, -4.7633, 3.3808

## Protanomaly

38.5100, -3.0836, 3.9196

## Deuteranomaly

38.4353, -0.4512, 3.0596

## Tritanomaly

38.4429, -2.8234, -0.0032

# Monochromacy



## Original Color

38.4207, -4.7633, 3.3808

## Achromatopsia

37.9643, -2.0257, 2.0627

## Achromatomaly

38.1295, -2.9039, 2.6629

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 38.4207, -4.7633, 3.3808 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(102, 109, 104)` looks like.

```
.text, #text, p{  
    color:rgb(102, 109, 104)  
}
```

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(102, 109, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 109, 104) }
```

## Border

The CSS property to change the border of an element to HunterLab 38.4207, -4.7633, 3.3808 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(102, 109, 104) }
```



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

```
.border{ border-color:rgb(102, 109, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 109, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 109, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 109, 104);  
box-shadow:4px 4px 4px 4px rgb(102, 109,  
104) }
```

# Background

The CSS property to change the background color of an element to HunterLab 38.4207, -4.7633, 3.3808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 109, 104) }
```

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

```
.background{ background-color: rgb(102,  
109, 104) }
```

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