

# Converting Colors

HunterLab(38.7508, -11.7627,  
1.7772)

Have a look what the booklet for  
HunterLab(38.7508, -11.7627,  
1.7772) contains.

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# Color

**HunterLab(38.7939,  
-12.0037, 2.0114)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50736C
RGB	80, 115, 108
RGB Percent	31%, 45%, 42%
CMY	0.6863, 0.5490, 0.5765
CMYK	0.30, 0.00, 0.06, 0.55
HSL	168°, 18%, 38%
HSV	168°, 30%, 45%
XYZ	12.1458, 15.0497, 16.4521
YIQ	103.7370, -18.6130, -9.5970

# Conversions

## Conversions Part 2

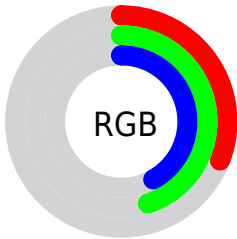
<b>Format</b>	<b>Color</b>
<b>RYB</b>	80, 99, 115
Decimal	5272428
CIELab	45.70, -14.11, -0.14
CIELCh	46, 14.114, 180.573
Yxy	15.0503, 0.2783, 0.3448
Android (android.graphics.Color)	4283462508 (0xFF50736C)
YUV	103.7370, 2.1017, -20.8173
Hunter-Lab	38.7939, -12.0037, 2.0114

# Details

The HunterLab color  $[38.7939, -12.0037, 2.0114]$  is a dark color, and the websafe version is hex  $336666$ . A complement of this color would be  $[31.7343, 10.0488, 2.8831]$ , and the grayscale version is  $[37.1050, -1.9798, 2.0160]$ .

A 20% lighter version of the original color is  $[59.0648, -14.8681, 3.2092]$ , and  $[21.6207, -9.1331, 1.0559]$  is the 20% darker color. If you saturate the color by 10%, you get  $[38.1359, -14.6144, 2.1705]$ , and if you desaturate by 10%, it is  $[39.5526, -9.0776, 1.9708]$ .

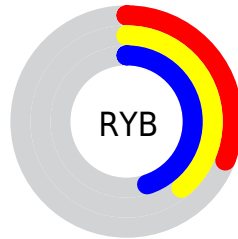
# Distribution



Red (31%)

Green (45%)

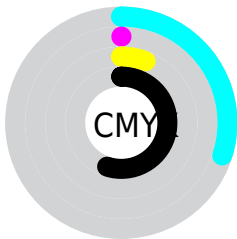
Blue (42%)



Red (31%)

Yellow (39%)

Blue (45%)

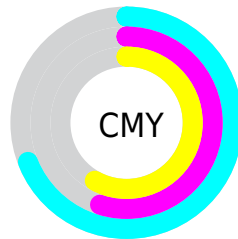


Cyan (30%)

Magenta (0%)

Yellow (6%)

Black (55%)



Cyan (69%)

Magenta (55%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 38.7939, -12.0037, 2.0114 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 38.7939, -12.0037, 2.0114 by changing the saturation by 10% instead.



■ 38.7939, -12.0037,  
2.0114

■ 38.7939, -12.0037,  
2.0114

149.5561,  
-24.0659, 7.9844

■ 29.7568, -10.5865,  
1.5284

■ 59.1112, -14.7380,  
3.1028

■ 21.5558, -9.1070,  
1.0913

■ 70.2891, -16.0777,  
3.7045

■ 14.2877, -7.5250,  
0.7061

■ 82.0944, -17.4090,  
4.3406

■ 7.9458, -8.1644,  
0.3589

■ 94.4953, -18.7364,  
5.0095

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 107.4645,  
-20.0635, 5.7096

0.0000, NaN, NaN

120.9780,

0.0000, NaN, NaN

-21.3929, 6.4395

0.0000, NaN, NaN

135.0148,  
-22.7265, 7.1982

■ 38.7939, -12.0037,  
2.0114

■ 38.7939, -12.0037,  
2.0114

■ 38.1359, -14.6144,  
2.1705

■ 39.5526, -9.0776,  
1.9708

■ 37.5756, -16.8909,  
2.4442

■ 40.4091, -5.8566,  
2.0470

■ 37.1118, -18.8236,  
2.8280

■ 41.3627, -2.3669,  
2.2388

■ 36.7412, -20.4107,  
3.3145

■ 42.4110, 1.3640,  
2.5423

■ 36.4583, -21.6602,  
3.8932

■ 43.5511, 5.3081,  
2.9526

■ 36.2559, -22.5923,  
4.5512

■ 44.7796, 9.4380,  
3.4639

■ 36.1036, -23.3185,  
5.2115

■ 46.0927, 13.7277,  
4.0695

■ 47.4867, 18.1531,  
4.7628

■ 48.9574, 22.6927,  
5.5368

# Harmonies

## Analogous

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



38.7947, -10.7836, 6.6970



38.7939, -12.0037, 2.0114



38.7947, -10.6883, -3.3083

# Triad

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



38.7947, -12.0042, 2.0119



38.7947, 3.4030, -7.4886



38.7947, 3.2118, 9.8293

# Complementary

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



38.7939, -12.0037, 2.0114



31.7343, 10.0488, 2.8831

# 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.



38.7947, 7.3686, 6.8474



38.7939, -12.0037, 2.0114



38.7947, 7.4832, -3.1121

# Square

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



38.7947, -12.0042, 2.0119



38.7947, -1.9673, -9.2370



38.7947, 8.9722, 2.2112



38.7947, -2.1767, 10.8156



# Rectangle

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



38.7939, -12.0037, 2.0114



38.7947, -8.5054, -6.4042



38.7947, 8.9722, 2.2112



38.7947, 4.8099, 9.0494

# Sweetspot

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



38.7947, -12.0042, 2.0119



54.2192, -7.2955, 2.7619



38.5950, -14.0567, 11.8767



26.4113, -3.8265, 1.3380



77.7063, -4.1462, 4.2219



27.0627, -1.4440, 1.4704



# Same Dimension

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



38.7947, -12.0042, 2.0119



51.2359, -18.7366, 2.8378



36.1441, -6.6399, -4.4520



20.3552, -2.7067, 1.0378



38.5976, -24.9557, 5.6286



85.1323, -55.5309, 13.4673



# Inverse Universe

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



31.7343, 10.0488, 2.8831



39.6373, 17.6870, 4.3708



33.9452, 4.5802, 7.7407



19.2659, 0.6688, 1.1587



20.5787, 35.5719, 10.7367



45.3163, 78.1136, 25.3449



# Previews

## White Background



This preview shows how the HunterLab color 38.7939, -12.0037, 2.0114 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 38.7939, -12.0037, 2.0114 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

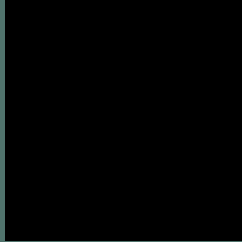
Any Text WCAG AA × Fail

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 38.7939, -12.0037, 2.0114 Background



This preview shows how black text looks on a background with the HunterLab color 38.7939, -12.0037, 2.0114.



This preview shows how white text looks on a background with the HunterLab color 38.7939,

-12.0037, 2.0114.

# 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

38.7939, -12.0037, 2.0114

### Protanopia

38.5932, -1.3431, 3.6373

### Deuteranopia

38.7438, 2.2375, 1.3381



## Tritanopia

38.8000, -8.1611, -4.3703

# Trichromacy



## Original Color

38.7939, -12.0037, 2.0114

## Protanomaly

38.5760, -5.5900, 3.1316

## Deuteranomaly

38.7098, -3.4712, 1.6320

## Tritanomaly

38.8752, -9.6820, -1.8822

# Monochromacy



## Original Color

38.7939, -12.0037, 2.0114

## Achromatopsia

37.2064, -1.9852, 2.0215

## Achromatomaly

37.6536, -6.0123, 2.0526

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 38.7939, -12.0037, 2.0114 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(80, 115, 108)` looks like.

```
.text, #text, p{  
    color:rgb(80, 115, 108)  
}
```

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(80, 115, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 115, 108) }
```

## Border

The CSS property to change the border of an element to HunterLab 38.7939, -12.0037, 2.0114 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(80, 115, 108) }
```



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

```
.border{ border-color:rgb(80, 115, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 115, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 115, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 115, 108);  
box-shadow:4px 4px 4px 4px rgb(80, 115,  
108) }
```

# Background

The CSS property to change the background color of an element to HunterLab 38.7939, -12.0037, 2.0114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 115, 108) }
```

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

```
.background{ background-color: rgb(80, 115,  
108) }
```

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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