

# Converting Colors

HunterLab(38.4802, -11.8303,  
20.3419)

Have a look what the booklet for  
HunterLab(38.4802, -11.8303,  
20.3419) contains.

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# Color

**HunterLab(38.6179,  
-12.0487, 20.3644)**

# Conversions

## Conversions Part 1

Format	Color
Hex	687129
RGB	104, 113, 41
RGB Percent	41%, 44%, 16%
CMY	0.5922, 0.5569, 0.8392
CMYK	0.08, 0.00, 0.64, 0.56
HSL	68°, 47%, 30%
HSV	68°, 64%, 44%
XYZ	12.0143, 14.9134, 4.3432
YIQ	102.1010, 17.7480, -24.3000

# Conversions

## Conversions Part 2

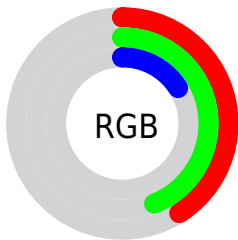
<b>Format</b>	<b>Color</b>
<b>RYB</b>	41, 113, 50
Decimal	6844713
CIELab	45.52, -14.22, 37.73
CIElCh	46, 40.317, 110.655
Yxy	14.9141, 0.3842, 0.4769
Android (android.graphics.Color)	4285034793 (0xFF687129)
YUV	102.1010, -30.1228, 1.6654
Hunter-Lab	38.6179, -12.0487, 20.3644

# Details

The HunterLab color  $[38.6179, -12.0487, 20.3644]$  is a dark color, and the websafe version is hex  $666633$ . A complement of this color would be  $[18.5920, 16.3278, -38.0818]$ , and the grayscale version is  $[36.5952, -1.9526, 1.9883]$ .

A 20% lighter version of the original color is  $[59.0056, -14.9098, 26.3784]$ , and  $[21.3655, -8.8871, 13.0098]$  is the 20% darker color. If you saturate the color by 10%, you get  $[38.4218, -12.9647, 21.5836]$ , and if you desaturate by 10%, it is  $[38.8458, -10.9712, 18.7311]$ .

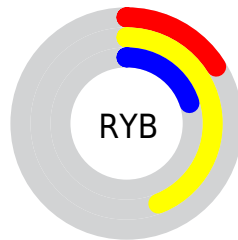
# Distribution



Red (41%)

Green (44%)

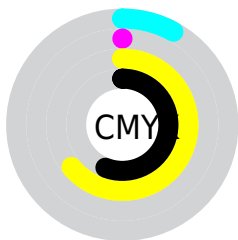
Blue (16%)



Red (16%)

Yellow (44%)

Blue (20%)

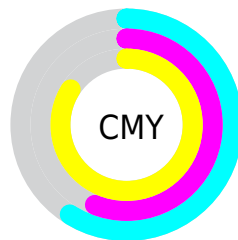


Cyan (8%)

Magenta (0%)

Yellow (64%)

Black (56%)



Cyan (59%)

Magenta (56%)

Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 38.6179, -12.0487, 20.3644 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 38.6179, -12.0487, 20.3644 by changing the saturation by 10% instead.



■ 38.6179, -12.0487,  
20.3644

■ 38.6179, -12.0487,  
20.3644

149.2802,  
-24.1611, 44.1376

■ 29.5958, -10.6237,  
17.0798

■ 58.9088, -14.7977,  
26.3458

■ 21.4112, -9.1344,  
13.7743

■ 70.0746, -16.1435,  
29.1225

■ 14.1617, -7.5400,  
9.9132

■ 81.8685, -17.4804,  
31.7943

■ 7.8147, -8.3475,  
5.4703

■ 94.2585, -18.8131,  
34.3809

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 107.2173,  
-20.1452, 36.8976

0.0000, NaN, NaN

■ 120.7209,

0.0000, NaN, NaN

-21.4792, 39.3565

0.0000, NaN, NaN

134.7482,  
-22.8173, 41.7673

■ 38.6179, -12.0487,  
20.3644

■ 38.6179, -12.0487,  
20.3644

■ 38.4218, -12.9647,  
21.5836

■ 38.8458, -10.9712,  
18.7311

■ 38.2527, -13.7260,  
22.4169

■ 39.1045, -9.7213,  
16.6610

■ 38.1080, -14.3518,  
22.9134

■ 39.3964, -8.2952,  
14.1388

■ 38.0216, -14.7217,  
23.1710

■ 39.7226, -6.6904,  
11.1544

■ 40.0839, -4.9059,  
7.7027

■ 40.4809, -2.9428,  
3.7830

■ 40.9141, -0.8035,  
-0.6014

■ 41.3837, 1.5083,  
-5.4435

■ 41.8898, 3.9876,  
-10.7334

# Harmonies

## Analogous

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



38.6188, 2.9109, 20.9488



38.6179, -12.0487, 20.3644



38.6188, -22.5644, 16.1318

# Triad

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



38.6188, -12.0499, 20.3647



38.6188, -19.2427, -26.9814



38.6188, 32.0735, -2.8050

# Complementary

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



38.6179, -12.0487, 20.3644



18.5920, 16.3278, -38.0818

# 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.



38.6188, 23.8747, -20.6152



38.6179, -12.0487, 20.3644



38.6188, -6.7966, -37.7891

# Square

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



38.6188, -12.0499, 20.3647



38.6188, -26.2383, -9.3316



38.6188, 9.0554, -35.0854



38.6188, 30.0707, 10.8463



# Rectangle

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



38.6179, -12.0487, 20.3644



38.6188, -26.4101, 10.3837



38.6188, 9.0554, -35.0854



38.6188, 30.3762, -8.5511

# Sweetspot

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



38.6188, -12.0499, 20.3647



53.3514, -7.9772, 13.0591



24.2930, 18.6648, 10.1754



25.6059, -4.0868, 6.7614



76.6170, -4.0881, 4.1627



26.1505, -1.3953, 1.4208



# Same Dimension

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



38.6188, -12.0499, 20.3647



51.3111, -17.8125, 29.4235



36.3618, -20.7681, 18.6214



19.7386, -1.9612, 2.8969



40.4869, -15.7058, 24.6729



90.2213, -35.5959, 54.9708



# Inverse Universe

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



18.5920, 16.3278, -38.0818



20.0828, 29.2636, -69.7043



21.7453, 23.9772, -28.7799



18.2171, -0.0071, -0.9934



12.0577, 31.8651, -79.1531



26.5090, 70.8108, -179.8710



# Previews

## White Background



This preview shows how the HunterLab color 38.6179, -12.0487, 20.3644 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 38.6179, -12.0487, 20.3644 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

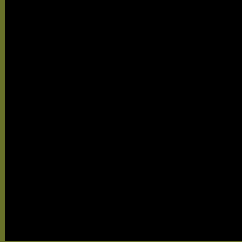
Any Text WCAG AA × Fail

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 38.6179, -12.0487, 20.3644 Background



This preview shows how black text looks on a background with the HunterLab color 38.6179, -12.0487, 20.3644.



This preview shows how white text looks on a background with the HunterLab color 38.6179, -12.0487, 20.3644.

-12.0487, 20.3644.

# 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

38.6179, -12.0487, 20.3644

### Protanopia

38.5634, -5.0384, 20.5880

### Deuteranopia

38.4095, 2.6669, 20.0362



## Tritanopia

38.6037, 0.6315, -0.6518

# Trichromacy



## Original Color

38.6179, -12.0487, 20.3644

## Protanomaly

38.5778, -7.8303, 20.5491

## Deuteranomaly

38.3320, -3.0123, 20.0322

## Tritanomaly

38.4884, -5.3325, 9.7329

# Monochromacy



## Original Color

38.6179, -12.0487, 20.3644

## Achromatopsia

36.4511, -1.9449, 1.9805

## Achromatomaly

37.1091, -6.2786, 10.6307

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 38.6179, -12.0487, 20.3644 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(104, 113, 41)` looks like.

```
.text, #text, p{  
    color:rgb(104, 113, 41)  
}
```

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(104, 113, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 113, 41) }
```

## Border

The CSS property to change the border of an element to HunterLab 38.6179, -12.0487, 20.3644 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(104, 113, 41) }
```



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

```
.border{ border-color:rgb(104, 113, 41) }
```

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

Here you see how a box with a 4 pixel rgb(104, 113, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 113, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 113, 41);  
box-shadow:4px 4px 4px 4px rgb(104, 113,  
41) }
```

# Background

The CSS property to change the background color of an element to HunterLab 38.6179, -12.0487, 20.3644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 113, 41) }
```

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

```
.background{ background-color: rgb(104,  
113, 41) }
```

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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