

# Converting Colors

HunterLab(28.2422, -4.1433,  
4.6150)

Have a look what the booklet for  
HunterLab(28.2422, -4.1433, 4.6150)  
contains.

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# Color

**HunterLab(28.1612, -3.8178,  
4.3781)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4D5148
RGB	77, 81, 72
RGB Percent	30%, 32%, 28%
CMY	0.6980, 0.6823, 0.7176
CMYK	0.05, 0.00, 0.11, 0.68
HSL	87°, 6%, 30%
HSV	87°, 11%, 32%
XYZ	7.1727, 7.9305, 7.2836
YIQ	78.7780, 0.5050, -3.6470

# Conversions

## Conversions Part 2

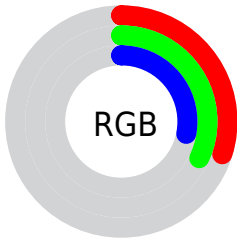
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	72, 81, 76
Decimal	5067080
CIE Lab	33.84, -3.53, 4.74
CIE LCh	34, 5.908, 126.647
Yxy	7.9309, 0.3204, 0.3543
Android (android.graphics.Color)	4283257160 (0xFF4D5148)
YUV	78.7780, -3.3416, -1.5593
Hunter-Lab	28.1612, -3.8178, 4.3781

# Details

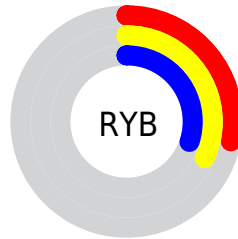
The HunterLab color  $[28.1612, -3.8178, 4.3781]$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $[26.0106, 1.0328, -1.6998]$ , and the grayscale version is  $[27.8940, -1.4884, 1.5155]$ .

A 20% lighter version of the original color is  $[46.6443, -5.1791, 6.0647]$ , and  $[13.1726, -2.5830, 2.8397]$  is the 20% darker color. If you saturate the color by 10%, you get  $[27.7243, -5.7458, 6.6416]$ , and if you desaturate by 10%, it is  $[28.6315, -1.7663, 1.8550]$ .

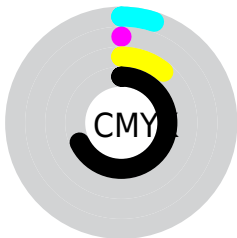
# Distribution



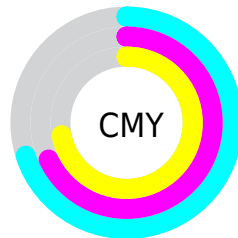
- Red (30%)
- Green (32%)
- Blue (28%)



- Red (28%)
- Yellow (32%)
- Blue (30%)



- Cyan (5%)
- Magenta (0%)
- Yellow (11%)
- Black (68%)



- Cyan (70%)
- Magenta (68%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 28.1612, -3.8178, 4.3781 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 28.1612, -3.8178, 4.3781 by changing the saturation by 10% instead.



■ 28.1612, -3.8178,  
4.3781

■ 28.1612, -3.8178,  
4.3781

132.3589,  
-10.9874, 12.1456

■ 20.1265, -3.1356,  
3.6040

■ 46.7149, -5.2477,  
5.9658

■ 13.0460, -2.4678,  
2.8301

■ 57.0994, -5.9971,  
6.7862

■ 6.5188, -2.7052,  
3.3688

■ 68.1564, -6.7704,  
7.6268

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 79.8473, -7.5675,  
8.4882

0.0000, NaN, NaN

■ 92.1393, -8.3881,  
9.3708

0.0000, NaN, NaN

105.0044, -9.2318,

0.0000, NaN, NaN

118.4182,  
-10.0984, 11.1996

■ 28.1612, -3.8178,  
4.3781

■ 28.1612, -3.8178,  
4.3781

■ 27.7243, -5.7458,  
6.6416

■ 28.6315, -1.7663,  
1.8550

■ 27.3192, -7.5415,  
8.6376

■ 29.1329, 0.4034,  
-0.9200

■ 26.9467, -9.1999,  
10.3619

■ 29.6655, 2.6830,  
-3.9364

■ 26.6068, -10.7162,  
11.8130

■ 30.2284, 5.0645,  
-7.1828

■ 26.2991, -12.0874,  
12.9929

■ 30.8211, 7.5402,  
-10.6473

■ 26.0232, -13.3120,  
13.9073

■ 31.4427, 10.1022,  
-14.3174

■ 25.7782, -14.3910,  
14.5671

■ 32.0923, 12.7430,  
-18.1805

■ 25.5618, -15.3337,  
15.0031

■ 32.7690, 15.4555,  
-22.2243

■ 25.3829, -16.1188,  
15.3586

■ 33.4719, 18.2328,  
-26.4365

# Harmonies

## Analogous

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



28.1618, -1.9589, 5.0088



28.1612, -3.8178, 4.3781



28.1618, -5.0324, 2.9791

# Triad

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



28.1618, -3.8185, 4.3785



28.1618, -3.0497, -2.1314



28.1618, 2.5190, 1.9635

# Complementary

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



28.1612, -3.8178, 4.3781



26.0106, 1.0328, -1.6998

# 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.



28.1618, 2.2068, 0.0057



28.1612, -3.8178, 4.3781



28.1618, -1.0465, -2.4517

# Square

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



28.1618, -3.8185, 4.3785



28.1618, -4.5975, -0.7983



28.1618, 0.8874, -1.6445



28.1618, 1.7287, 3.6804



# Rectangle

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



28.1612, -3.8178, 4.3781



28.1618, -5.3321, 1.7514



28.1618, 0.8874, -1.6445



28.1618, 2.5398, 1.3127

# Sweetspot

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



28.1618, -3.8185, 4.3785



37.2186, -2.8491, 3.1012



27.1526, -0.5730, 3.3336



18.9349, -1.5362, 1.6854



67.9972, -3.6282, 3.6944



19.0543, -1.0167, 1.0353



# Same Dimension

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



28.1618, -3.8185, 4.3785



36.5942, -5.5821, 6.4307



27.8460, -4.9496, 4.0177



14.6115, -1.7266, 1.9643



33.0355, -21.3129, 19.9832



78.9938, -52.5800, 47.7551



# Inverse Universe

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



26.0106, 1.0328, -1.6998



33.2072, 2.0594, -3.1478



26.3666, 2.2298, -1.2200



13.7360, 0.2472, -0.5079



12.6597, 29.6634, -53.7048

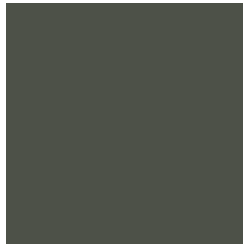


29.5328, 70.3128, -133.9136



# Previews

## White Background



This preview shows how the HunterLab color 28.1612, -3.8178, 4.3781 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

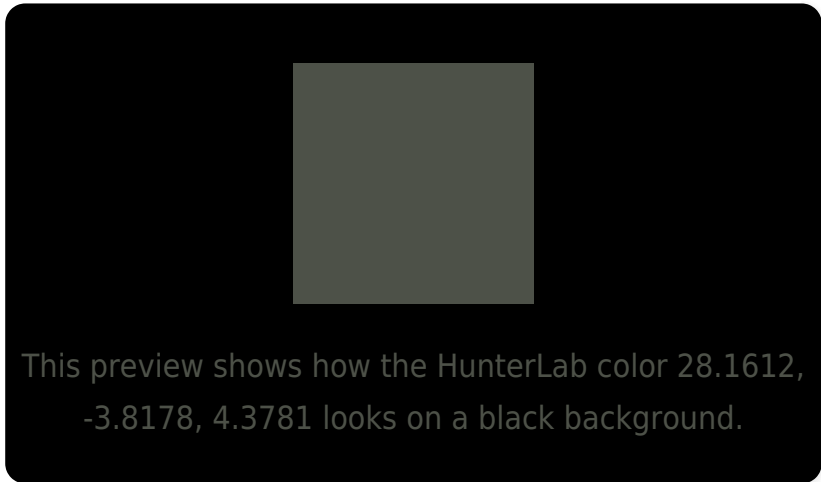
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

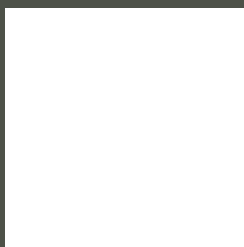
Any Text WCAG AAA × Fail

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

## HunterLab 28.1612, -3.8178, 4.3781 Background



This preview shows how black text looks on a background with the HunterLab color 28.1612, -3.8178, 4.3781.



This preview shows how white text looks on a background with the HunterLab color 28.1612, -3.8178,

4.3781.

# 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

28.1612, -3.8178, 4.3781

### Protanopia

28.0818, -1.4663, 4.6921

### Deuteranopia

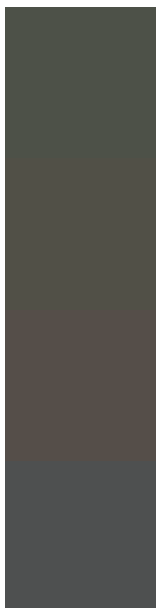
28.2178, 1.6864, 4.1729



## Tritanopia

28.1249, -0.6022, -0.7978

# Trichromacy



## Original Color

28.1612, -3.8178, 4.3781

## Protanomaly

28.1808, -2.4484, 4.7801

## Deuteranomaly

28.0377, -0.2144, 3.9436

## Tritanomaly

28.1713, -2.0408, 1.3504

# Monochromacy



## Original Color

28.1612, -3.8178, 4.3781

## Achromatopsia

27.9620, -1.4920, 1.5192

## Achromatomaly

28.0692, -2.6028, 2.8079

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 28.1612, -3.8178, 4.3781 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(77, 81, 72)` looks like.

```
.text, #text, p{  
    color:rgb(77, 81, 72)  
}
```

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(77, 81, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 81, 72) }
```

## Border

The CSS property to change the border of an element to HunterLab 28.1612, -3.8178, 4.3781 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(77, 81, 72) }
```



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

```
.border{ border-color:rgb(77, 81, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 81, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 81, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 81, 72);  
box-shadow:4px 4px 4px 4px rgb(77, 81, 72)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 28.1612, -3.8178, 4.3781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 81, 72) }
```

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

```
.background{ background-color: rgb(77, 81,  
72) }
```

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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