

# Converting Colors

HunterLab(13.1662, -2.7558,  
2.7796)

Have a look what the booklet for  
HunterLab(13.1662, -2.7558, 2.7796)  
contains.

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# Color

**HunterLab(13.1108, -2.8075,  
2.7730)**

# Conversions

Conversions Part 1	
Format	Color
Hex	20251D
RGB	32, 37, 29
RGB Percent	13%, 15%, 11%
CMY	0.8745, 0.8549, 0.8863
CMYK	0.14, 0.00, 0.22, 0.85
HSL	98°, 12%, 13%
HSV	98°, 22%, 15%
XYZ	1.4790, 1.7189, 1.4162
YIQ	34.5930, -0.4120, -3.5480

# Conversions

## Conversions Part 2

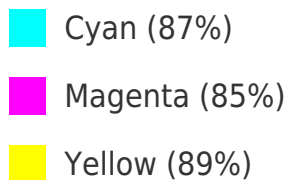
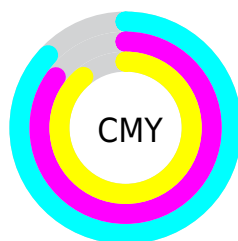
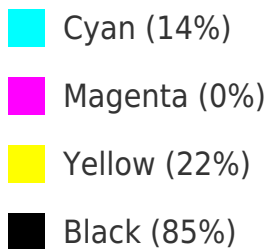
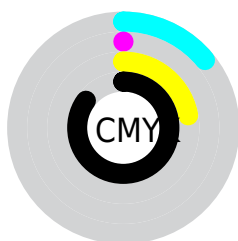
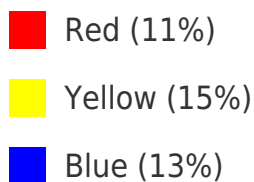
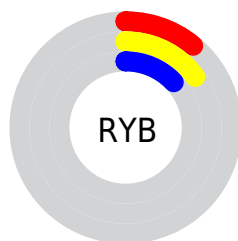
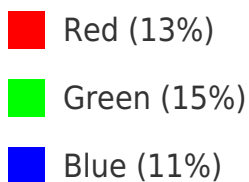
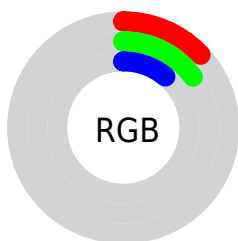
Format	Color
<a href="#">RYB</a>	<a href="#">29, 37, 34</a>
Decimal	<a href="#">2106653</a>
CIELab	<a href="#">13.94, -4.21, 4.58</a>
CIELCh	<a href="#">14, 6.223, 132.592</a>
Yxy	<a href="#">1.7190, 0.3205, 0.3725</a>
Android (android.graphics.Color)	<a href="#">4280296733</a> (0xFF20251D)
YUV	<a href="#">34.5930, -2.7573, -2.2741</a>
Hunter-Lab	<a href="#">13.1108, -2.8075, 2.7730</a>

# Details

The HunterLab color **13.1108, -2.8075, 2.7730** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **11.6294, 1.6444, -1.7290**, and the grayscale version is **12.8441, -0.6853, 0.6978**.

A 20% lighter version of the original color is **28.3531, -4.4942, 4.5719**, and 0.0000, NaN, NaN is the 20% darker color. If you saturate the color by 10%, you get **12.9075, -3.6881, 3.5859**, and if you desaturate by 10%, it is **13.3296, -1.8739, 1.8782**.

# Distribution



# Brightness & Saturation Gradients

These gradients show how the HunterLab color 13.1108, -2.8075, 2.7730 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 13.1108, -2.8075, 2.7730 by changing the saturation by 10% instead.



■ 13.1108, -2.8075,  
2.7730

■ 13.1108, -2.8075,  
2.7730

105.1347, -9.9390,  
10.1343

■ 6.6024, -3.1320,  
3.2355

■ 28.2458, -4.2667,  
4.2960

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 37.1417, -5.0153,  
5.0712

0.0000, NaN, NaN

■ 46.8144, -5.7828,  
5.8635

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 57.2058, -6.5708,  
6.6753

0.0000, NaN, NaN


■ 68.2692, -7.3802,  
7.5079


0.0000, NaN, NaN


■ 79.9662, -8.2114,


0.0000, NaN, NaN


8.3617


 92.2640, -9.0643,  
9.2372


 13.1108, -2.8075,  
2.7730


 13.1108, -2.8075,  
2.7730


 12.9075, -3.6881,  
3.5859


 13.3296, -1.8739,  
1.8782

 12.7191, -4.5115,  
4.3137


 13.5627, -0.8899,  
0.9043


 12.5460, -5.2748,  
4.9542

 13.8103, 0.1404,  
-0.1449

 12.3882, -5.9755,  
5.5063

 14.0718, 1.2135,  
-1.2653

 12.2457, -6.6113,  
5.9696

 14.3471, 2.3256,  
-2.4528

12.1157, -7.1968,  
6.3841

14.6355, 3.4732,  
-3.7032

11.9938, -7.7574,  
6.8147

14.9369, 4.6530,  
-5.0124

11.8978, -8.2073,  
7.1877

15.2506, 5.8618,  
-6.3763

15.5763, 7.0965,  
-7.7909

# Harmonies

## Analogous

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



13.1111, -1.3945, 3.3635



13.1108, -2.8075, 2.7730



13.1111, -3.6317, 1.5968

# Triad

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



13.1111, -2.8078, 2.7732



13.1111, -1.6492, -2.5562



13.1111, 2.5904, 1.3636

# Complementary

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



13.1108, -2.8075, 2.7730



11.6294, 1.6444, -1.7290

# 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.



13.1111, 2.5137, -0.2356



13.1108, -2.8075, 2.7730



13.1111, 0.0087, -2.6391

# Square

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



13.1111, -2.8078, 2.7732



13.1111, -2.9862, -1.5317



13.1111, 1.5494, -1.7458



13.1111, 1.7538, 2.6209

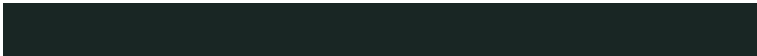


# Rectangle

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



13.1108, -2.8075, 2.7730



13.1111, -3.7626, 0.5745



13.1111, 1.5494, -1.7458



13.1111, 2.6717, 0.8514

# Sweetspot

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



13.1111, -2.8078, 2.7732



17.1471, -1.7437, 1.7604



12.7371, -0.4992, 2.4288



9.9022, -0.9929, 1.0027



56.4399, -3.0115, 3.0665



10.0114, -0.5342, 0.5439



# Same Dimension

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



13.1111, -2.8078, 2.7732



16.5533, -4.2822, 4.1890



12.9531, -3.3502, 2.3210



7.6296, -0.8505, 0.8571



25.0190, -18.5253, 15.0923



68.7654, -52.8488, 41.4477



# Inverse Universe

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



11.6294, 1.6444, -1.7290



14.1402, 2.9796, -3.1649



11.8317, 2.2541, -1.0611



7.3249, 0.0635, -0.0656



11.4325, 24.8538, -33.5065

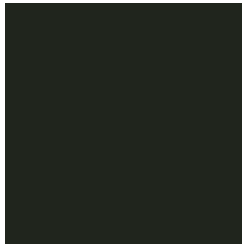


30.6748, 67.5545, -96.6344



# Previews

## White Background



This preview shows how the HunterLab color 13.1108, -2.8075, 2.7730 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



This preview shows how the HunterLab color 13.1108, -2.8075, 2.7730 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

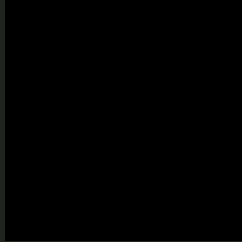
Any Text WCAG AA × Fail

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 13.1108, -2.8075, 2.7730 Background



This preview shows how black text looks on a background with the HunterLab color 13.1108, -2.8075, 2.7730.



This preview shows how white text looks on a background with the HunterLab color 13.1108, -2.8075,



# 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

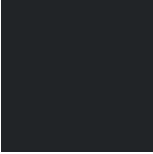
13.1108, -2.8075, 2.7730

### Protanopia

13.0306, -0.7496, 3.0176

### Deuteranopia

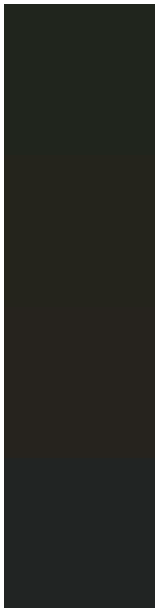
13.0737, 0.6161, 2.4963



## Tritanopia

13.1589, -0.9948, -0.5574

# Trichromacy



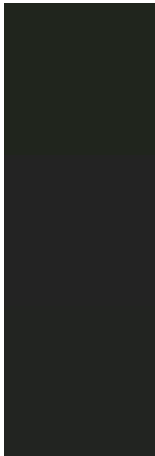
**Original Color**  
13.1108, -2.8075, 2.7730

**Protanomaly**  
13.1174, -1.6179, 3.0889

**Deuteranomaly**  
13.0686, -0.5420, 2.4707

**Tritanomaly**  
13.0631, -1.5240, 0.8056

# Monochromacy



**Original Color**  
13.1108, -2.8075, 2.7730

**Achromatopsia**  
12.9643, -0.6917, 0.7044

**Achromatomaly**  
13.0830, -1.5417, 1.5141

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 13.1108, -2.8075, 2.7730 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(32, 37, 29)` looks like.

```
.text, #text, p{  
    color:rgb(32, 37, 29)  
}
```

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(32, 37, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 37, 29) }
```

## Border

The CSS property to change the border of an element to HunterLab 13.1108, -2.8075, 2.7730 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(32, 37, 29) }
```



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

```
.border{ border-color:rgb(32, 37, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 37, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 37, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 37, 29);  
box-shadow:4px 4px 4px 4px rgb(32, 37, 29)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 13.1108, -2.8075, 2.7730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 37, 29) }
```

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

```
.background{ background-color: rgb(32, 37,  
29) }
```

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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