

Converting Colors

HunterLab(12.2453, -2.4010,
2.8712)

Have a look what the booklet for
HunterLab(12.2453, -2.4010, 2.8712)
contains.

HunterLab(12.2880, -2.2775, 2.8165)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**HunterLab(12.2880, -2.2775,
2.8165)**

Conversions

Conversions Part 1

Format	Color
Hex	1F221A
RGB	31, 34, 26
RGB Percent	12%, 13%, 10%
CMY	0.8784, 0.8667, 0.8980
CMYK	0.09, 0.00, 0.24, 0.87
HSL	83°, 13%, 12%
HSV	83°, 24%, 13%
XYZ	1.3236, 1.5099, 1.1990
YIQ	32.1910, 0.7800, -3.1240

Conversions

Conversions Part 2

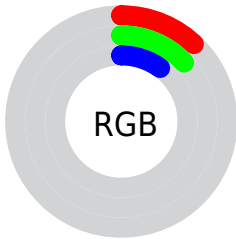
Format	Color
R_YB	26, 34, 29
Decimal	2040346
CIE Lab	12.67, -3.29, 4.94
CIE LCh	13, 5.934, 123.680
Yxy	1.5100, 0.3282, 0.3744
Android (android.graphics.Color)	4280230426 (0xFF1F221A)
YUV	32.1910, -3.0522, -1.0445
Hunter-Lab	12.2880, -2.2775, 2.8165

Details

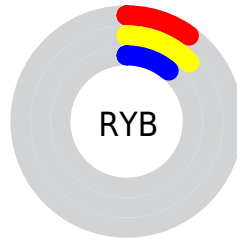
The HunterLab color **12.2880, -2.2775, 2.8165** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **10.5619, 1.2037, -1.9666**, and the grayscale version is **12.0875, -0.6450, 0.6567**.

A 20% lighter version of the original color is **27.1557, -3.4805, 4.3796**, and 0.0000, NaN, NaN is the 20% darker color. If you saturate the color by 10%, you get **12.1503, -2.8968, 3.5824**, and if you desaturate by 10%, it is **12.4352, -1.6211, 1.9672**.

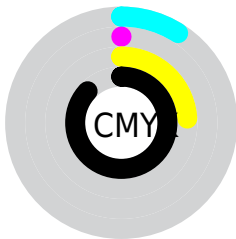
Distribution



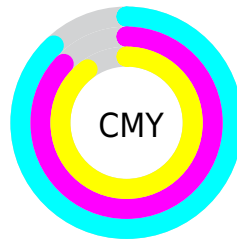
- Red (12%)
- Green (13%)
- Blue (10%)



- Red (10%)
- Yellow (13%)
- Blue (11%)



- Cyan (9%)
- Magenta (0%)
- Yellow (24%)
- Black (87%)



- Cyan (88%)
- Magenta (87%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 12.2880, -2.2775, 2.8165 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 12.2880, -2.2775, 2.8165 by changing the saturation by 10% instead.

■ 12.2880, -2.2775,
2.8165

■ 12.2880, -2.2775,
2.8165

103.4745, -8.8932,
10.3532

■ 5.4384, -2.9272,
3.8069

■ 27.1786, -3.5877,
4.3982

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 35.9712, -4.2728,
5.1955

0.0000, NaN, NaN

■ 45.5490, -4.9817,
6.0073

0.0000, NaN, NaN

■ 55.8522, -5.7152,
6.8366

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 66.8328, -6.4733,
7.6851

0.0000, NaN, NaN

■ 78.4515, -7.2559,

0.0000, NaN, NaN

8.5538

■ 90.6749, -8.0627,
9.4431

■ 12.2880, -2.2775,
2.8165

■ 12.2880, -2.2775,
2.8165

■ 12.1503, -2.8968,
3.5824

■ 12.4352, -1.6211,
1.9672

■ 12.0212, -3.4770,
4.2635

■ 12.5909, -0.9280,
1.0355

■ 11.9010, -4.0174,
4.8596

■ 12.7555, -0.2000,
0.0233

■ 11.7896, -4.5174,
5.3711

■ 12.9287, 0.5615,
-1.0673

■ 11.6866, -4.9783,
5.8029

■ 13.1106, 1.3547,
-2.2338

■ 11.5874, -5.4263,
6.2224

■ 13.3009, 2.1781,
-3.4734

■ 11.4906, -5.8699,
6.6518

■ 13.4995, 3.0298,
-4.7835

■ 11.4292, -6.1544,
6.9349

■ 13.7063, 3.9082,
-6.1609

■ 13.9211, 4.8115,
-7.6028

Harmonies

Analogous

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



12.2883, -0.8485, 3.1920



12.2880, -2.2775, 2.8165



12.2883, -3.2340, 1.8694

Triad

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



12.2883, -2.2778, 2.8167



12.2883, -1.9598, -2.1772



12.2883, 2.4866, 0.8508

Complementary

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



12.2880, -2.2775, 2.8165



10.5619, 1.2037, -1.9666

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.



12.2883, 2.1531, -0.6664



12.2880, -2.2775, 2.8165



12.2883, -0.4630, -2.5373

Square

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



12.2883, -2.2778, 2.8167



12.2883, -3.0569, -1.0232



12.2883, 1.0538, -1.9539



12.2883, 1.9440, 2.1500

Rectangle

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



12.2880, -2.2775, 2.8165



12.2883, -3.5011, 0.9792



12.2883, 1.0538, -1.9539



12.2883, 2.4734, 0.3502

Sweetspot

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



12.2883, -2.2778, 2.8167



15.5093, -1.4921, 1.7483



11.3586, 0.2993, 1.9030



9.1593, -0.8574, 1.0005



55.4075, -2.9564, 3.0104



9.2414, -0.4931, 0.5021

Same Dimension

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



12.2883, -2.2778, 2.8167



15.1021, -3.3119, 4.1009



12.0525, -3.1377, 2.5641



7.6564, -0.7557, 0.8888



25.8419, -15.1619, 15.6582



71.0273, -43.5421, 43.0044

Inverse Universe

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



10.5619, 1.2037, -1.9666



12.4054, 2.1390, -3.4033



10.8469, 2.1355, -1.5515



7.2968, -0.0326, -0.1022



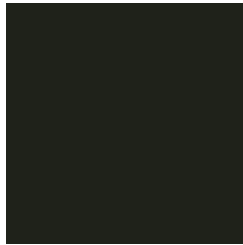
9.4254, 22.5400, -43.5116



24.9928, 61.2393, -126.7812

Previews

White Background



This preview shows how the HunterLab color 12.2880, -2.2775, 2.8165 looks on a white background.

Color Contrast Check

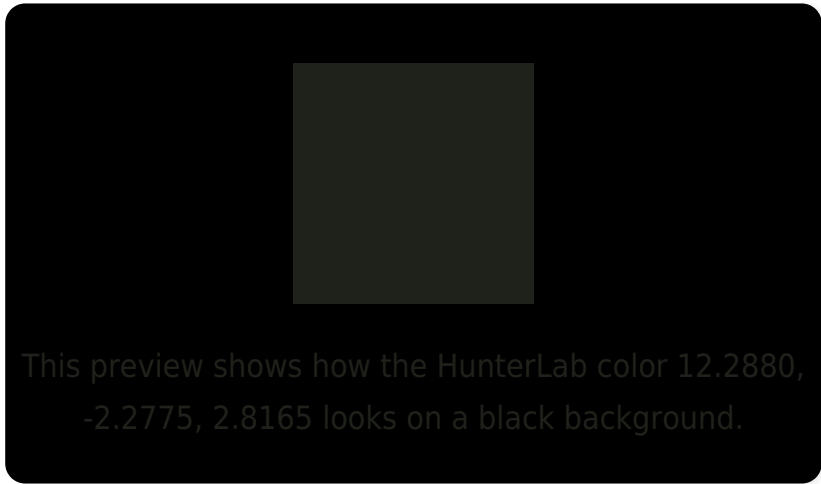
Large Text (above 18pt) WCAG AA ✓ Pass

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

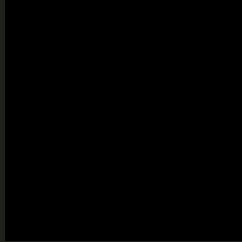
Any Text WCAG AA × Fail

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 12.2880, -2.2775, 2.8165 Background



This preview shows how black text looks on a background with the HunterLab color 12.2880, -2.2775, 2.8165.

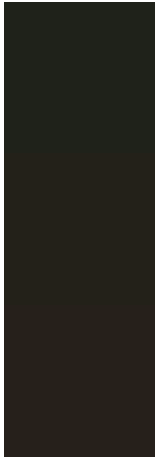


This preview shows how white text looks on a background with the HunterLab color 12.2880, -2.2775,

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

12.2880, -2.2775, 2.8165

Protanopia

12.3094, -1.0594, 3.1366

Deuteranopia

12.3459, 0.2795, 2.6328



Tritanopia

12.3132, -0.6308, -0.0804

Trichromacy



Original Color

12.2880, -2.2775, 2.8165

Protanomaly

12.2392, -1.3067, 3.0636

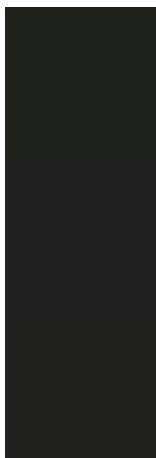
Deuteranomaly

12.3457, -0.8597, 2.6126

Tritanomaly

12.2437, -1.0125, 0.9095

Monochromacy



Original Color

12.2880, -2.2775, 2.8165

Achromatopsia

12.0183, -0.6413, 0.6530

Achromatomaly

12.2005, -1.2506, 1.5269

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 12.2880, -2.2775, 2.8165 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(31, 34, 26)` looks like.

```
.text, #text, p{  
    color:rgb(31, 34, 26)  
}
```

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(31, 34, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 34, 26) }
```

Border

The CSS property to change the border of an element to HunterLab 12.2880, -2.2775, 2.8165 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(31, 34, 26) }
```


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

```
.border{ border-color:rgb(31, 34, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 34, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 34, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 34, 26);  
box-shadow:4px 4px 4px 4px rgb(31, 34, 26)  
}
```

Background

The CSS property to change the background color of an element to HunterLab 12.2880, -2.2775, 2.8165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 34, 26) }
```

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

```
.background{ background-color: rgb(31, 34,  
26) }
```

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