

Converting Colors

HunterLab(12.4306, -1.4820,
0.7717)

Have a look what the booklet for
HunterLab(12.4306, -1.4820, 0.7717)
contains.

HunterLab(12.4305, -1.4827, 0.7707)	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(12.4305, -1.4827,
0.7707)**

Conversions

Conversions Part 1

Format	Color
Hex	1F2221
RGB	31, 34, 33
RGB Percent	12%, 13%, 13%
CMY	0.8784, 0.8667, 0.8706
CMYK	0.09, 0.00, 0.03, 0.87
HSL	160°, 5%, 13%
HSV	160°, 9%, 13%
XYZ	1.4116, 1.5452, 1.6627
YIQ	32.9890, -1.4670, -0.9470

Conversions

Conversions Part 2

Format	Color
RYB	31, 33, 34
Decimal	2040353
CIELab	12.89, -1.63, 0.20
CIELCh	13, 1.645, 173.165
Yxy	1.5452, 0.3056, 0.3345
Android (android.graphics.Color)	4280230433 (0xFF1F2221)
YUV	32.9890, 0.0054, -1.7444
Hunter-Lab	12.4305, -1.4827, 0.7707

Details

The HunterLab color **12.4305, -1.4827, 0.7707** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **11.9348, 0.2092, 0.5689**, and the grayscale version is **12.3294, -0.6579, 0.6699**.

A 20% lighter version of the original color is **27.3504, -2.4029, 1.5907**, and 0.0000, NaN, NaN is the 20% darker color. If you saturate the color by 10%, you get **12.2023, -2.3518, 0.8841**, and if you desaturate by 10%, it is **12.6780, -0.5646, 0.6772**.

Distribution



Red (12%)

Green (13%)

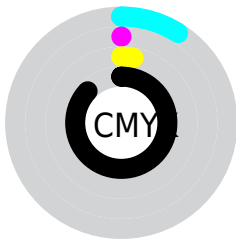
Blue (13%)



Red (12%)

Yellow (13%)

Blue (13%)



Cyan (9%)

Magenta (0%)

Yellow (3%)

Black (87%)



Cyan (88%)

Magenta (87%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 12.4305, -1.4827, 0.7707 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 12.4305, -1.4827, 0.7707 by changing the saturation by 10% instead.

■ 12.4305, -1.4827,
0.7707

■ 12.4305, -1.4827,
0.7707

103.7639, -7.2202,
5.8399

■ 5.6591, -1.5600,
0.4515

■ 27.3641, -2.5327,
1.6123

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 36.1748, -3.1093,
2.1039

0.0000, NaN, NaN

■ 45.7693, -3.7190,
2.6372

0.0000, NaN, NaN

■ 56.0879, -4.3604,
3.2091

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 67.0831, -5.0324,
3.8173

0.0000, NaN, NaN

■ 78.7155, -5.7337,

0.0000, NaN, NaN

4.4596

■ 90.9519, -6.4633,
5.1343

■ 12.4305, -1.4827,
0.7707

■ 12.4305, -1.4827,
0.7707

■ 12.2023, -2.3518,
0.8841

■ 12.6780, -0.5646,
0.6772

■ 11.9929, -3.1666,
1.0166

■ 12.9435, 0.3988,
0.6031

■ 11.8029, -3.9231,
1.1679

■ 13.2269, 1.4026,
0.5483

■ 11.6323, -4.6175,
1.3372

■ 13.5276, 2.4424,
0.5125

■ 11.4811, -5.2465,
1.5234

■ 13.8449, 3.5138,
0.4953

■ 11.3492, -5.8079,
1.7253

■ 14.1783, 4.6131,
0.4959

■ 11.2296, -6.3260,
1.9338

■ 14.5272, 5.7364,
0.5138

■ 11.1099, -6.8497,
2.1344

■ 14.8909, 6.8805,
0.5481

■ 10.9898, -7.3802,
2.3267

■ 15.2687, 8.0424,
0.5980

Harmonies

Analogous

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



12.4308, -1.3258, 1.1439



12.4305, -1.4827, 0.7707



12.4308, -1.4231, 0.3598

Triad

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



12.4308, -1.4830, 0.7709



12.4308, -0.3334, -0.0768



12.4308, -0.1589, 1.2963

Complementary

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



12.4305, -1.4827, 0.7707



11.9348, 0.2092, 0.5689

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.



12.4308, 0.1138, 0.9854



12.4305, -1.4827, 0.7707



12.4308, 0.0121, 0.1905

Square

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



12.4308, -1.4830, 0.7709



12.4308, -0.7633, -0.1390



12.4308, 0.1769, 0.5816



12.4308, -0.5643, 1.4405

Rectangle

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



12.4305, -1.4827, 0.7707



12.4308, -1.2677, 0.1203



12.4308, 0.1769, 0.5816



12.4308, -0.0484, 1.2084

Sweetspot

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



12.4308, -1.4830, 0.7709



15.5576, -1.2036, 0.8861



12.4537, -1.4892, 1.4761



9.1771, -0.7310, 0.5251



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.



12.4308, -1.4830, 0.7709



15.3035, -2.1558, 0.9927



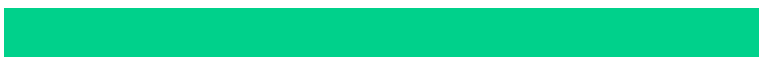
12.3506, -1.1901, 0.3240



7.6143, -0.8566, 0.4656



24.9889, -17.5702, 6.6950



68.9385, -49.4043, 20.4825

Inverse Universe

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



11.9348, 0.2092, 0.5689



14.4888, 0.6243, 0.6613



12.0113, -0.0821, 1.0008



7.3422, 0.0715, 0.3548



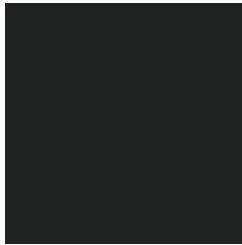
13.6237, 23.9190, 4.2457



37.4281, 65.2688, 15.0995

Previews

White Background



This preview shows how the HunterLab color 12.4305, -1.4827, 0.7707 looks on a white background.

Color Contrast Check

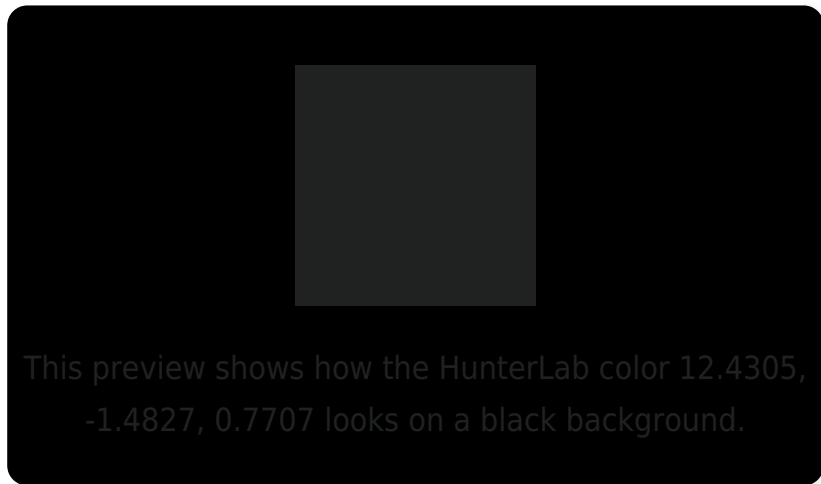
Large Text (above 18pt) WCAG AA ✓ Pass

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

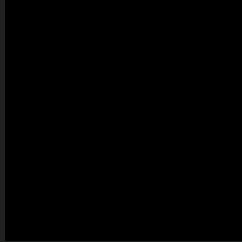
Any Text WCAG AA × Fail

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 12.4305, -1.4827, 0.7707 Background



This preview shows how black text looks on a background with the HunterLab color 12.4305, -1.4827, 0.7707.



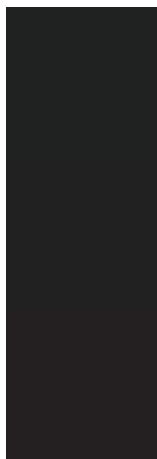
This preview shows how white text looks on a background with the HunterLab color 12.4305, -1.4827,

0.7707.

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

12.4305, -1.4827, 0.7707

Protanopia

12.4000, -0.4231, 0.7537

Deuteranopia

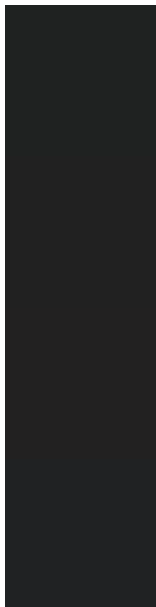
12.3203, 0.4411, 0.6752



Tritanopia

12.5639, -0.8727, -0.1500

Trichromacy



Original Color

12.4305, -1.4827, 0.7707

Protanomaly

12.3323, -0.6580, 0.6700

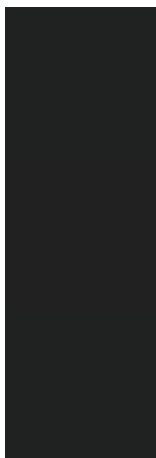
Deuteranomaly

12.4000, -0.4231, 0.7537

Tritanomaly

12.5399, -1.0047, 0.1912

Monochromacy



Original Color

12.4305, -1.4827, 0.7707

Achromatopsia

12.3323, -0.6580, 0.6700

Achromatomaly

12.2662, -0.8885, 0.5880

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 12.4305, -1.4827, 0.7707 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, 33)` looks like.

```
.text, #text, p{  
    color:rgb(31, 34, 33)  
}
```

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, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 34, 33) }
```

Border

The CSS property to change the border of an element to HunterLab 12.4305, -1.4827, 0.7707 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, 33) }
```


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

```
.border{ border-color:rgb(31, 34, 33) }
```

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, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 34, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 34, 33);  
box-shadow:4px 4px 4px 4px rgb(31, 34, 33)  
}
```

Background

The CSS property to change the background color of an element to HunterLab 12.4305, -1.4827, 0.7707 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, 33) }
```

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

```
.background{ background-color: rgb(31, 34,  
33) }
```

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