

Converting Colors

HunterLab(12.8885, -0.9672,
9.0220)

Have a look what the booklet for
HunterLab(12.8885, -0.9672, 9.0220)
contains.

HunterLab(12.9597, -0.4939, 7.9770)	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(12.9597, -0.4939,
7.9770)**

Conversions

Conversions Part 1

Format	Color
Hex	2C2200
RGB	44, 34, 0
RGB Percent	17%, 13%, 0%
CMY	0.8275, 0.8667, 1.0000
CMYK	0.00, 0.23, 1.00, 0.83
HSL	46°, 100%, 9%
HSV	46°, 100%, 17%
XYZ	1.6107, 1.6795, 0.2393
YIQ	33.1140, 16.8740, -8.4540

Conversions

Conversions Part 2

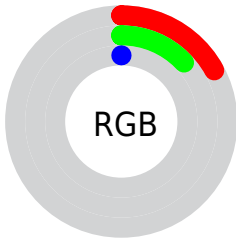
Format	Color
RYB	13, 44, 0
Decimal	2892288
CIELab	13.71, 0.38, 20.21
CIELCh	14, 20.213, 88.915
Yxy	1.6796, 0.4563, 0.4758
Android (android.graphics.Color)	4281082368 (0xFF2C2200)
YUV	33.1140, -16.3252, 9.5470
Hunter-Lab	12.9597, -0.4939, 7.9770

Details

The HunterLab color **12.9597, -0.4939, 7.9770** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **6.3161, 4.8628, -18.3913**, and the grayscale version is **12.4145, -0.6624, 0.6745**.

A 20% lighter version of the original color is **28.0681, -1.0927, 11.5954**, and 0.0000, NaN, NaN is the 20% darker color. If you saturate the color by 10%, you get **12.9600, -0.4944, 7.9772**, and if you desaturate by 10%, it is **13.2184, -0.6632, 7.5666**.

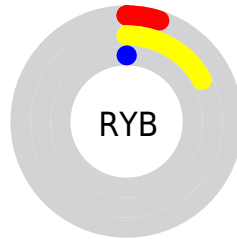
Distribution



Red (17%)

Green (13%)

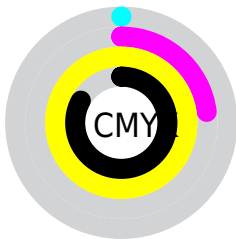
Blue (0%)



Red (5%)

Yellow (17%)

Blue (0%)

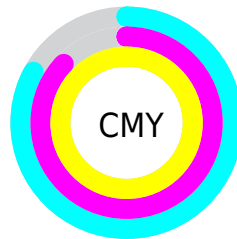


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (83%)



Cyan (83%)

Magenta (87%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 12.9597, -0.4939, 7.9770 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 12.9597, -0.4939, 7.9770 by changing the saturation by 10% instead.

■ 12.9597, -0.4939,
7.9770

■ 12.9597, -0.4939,
7.9770

■ 104.8319, -5.2032,
23.7036

■ 6.4063, -0.0819,
4.4844

■ 28.0506, -1.2427,
11.5541

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 36.9278, -1.6925,
13.4744

0.0000, NaN, NaN

■ 46.5832, -2.1857,
15.2983

0.0000, NaN, NaN

■ 56.9586, -2.7189,
17.0541

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 68.0071, -3.2894,
18.7609

0.0000, NaN, NaN

■ 79.6898, -3.8948,

0.0000, NaN, NaN

20.4321

■ 91.9741, -4.5333,
22.0773

■ 12.9597, -0.4939,
7.9770

■ 12.9597, -0.4939,
7.9770

■ 12.9600, -0.4944,
7.9772

■ 13.2184, -0.6632,
7.5666

■ 13.4781, -0.8361,
7.1787

■ 13.7414, -0.9999,
6.7775

■ 14.0148, -1.1187,
6.2670

■ 14.2986, -1.1901,
5.6422

■ 14.5928, -1.2140,
4.9039

■ 14.8972, -1.1909,
4.0540

■ 15.2118, -1.1213,
3.0949

■ 15.5363, -1.0062,
2.0298

Harmonies

Analogous

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



12.9600, 5.1341, 7.0499



12.9597, -0.4939, 7.9770



12.9600, -5.3525, 7.1723

Triad

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



12.9600, -0.4945, 7.9771



12.9600, -8.6055, -5.0560



12.9600, 9.4853, -5.5216

Complementary

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



12.9597, -0.4939, 7.9770



6.3161, 4.8628, -18.3913

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.



12.9600, 4.7366, -11.3053



12.9597, -0.4939, 7.9770



12.9600, -5.6422, -10.9677

Square

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



12.9600, -0.4945, 7.9771



12.9600, -9.5465, 0.8916



12.9600, -0.8888, -13.6199



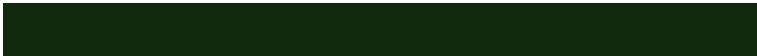
12.9600, 11.4484, 0.5165

Rectangle

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



12.9597, -0.4939, 7.9770



12.9600, -7.6440, 5.7619



12.9600, -0.8888, -13.6199



12.9600, 8.1272, -7.6384

Sweetspot

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



12.9600, -0.4945, 7.9771



18.6348, -1.5036, 5.2744



7.4699, 13.0929, 2.4919



10.0950, -0.8145, 2.8573



57.4755, -3.0668, 3.1228



10.7914, -0.5758, 0.5863

Same Dimension

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



12.9600, -0.4945, 7.9771



16.1154, -0.3650, 9.9239



14.5353, -6.9585, 8.8346



9.0817, -0.5710, 1.0631



24.5477, 0.0132, 15.1264



64.3632, 2.0135, 39.6955

Inverse Universe

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



6.3161, 4.8628, -18.3913



7.5363, 7.1095, -24.7671



5.0807, 12.2787, -24.4617



8.7189, -0.3626, -0.1283



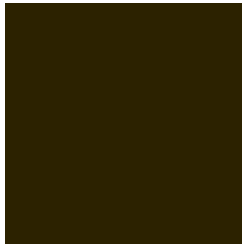
10.8309, 13.2325, -42.1028



26.5233, 42.7422, -125.4199

Previews

White Background



This preview shows how the HunterLab color 12.9597, -0.4939, 7.9770 looks on a white background.

Color Contrast Check

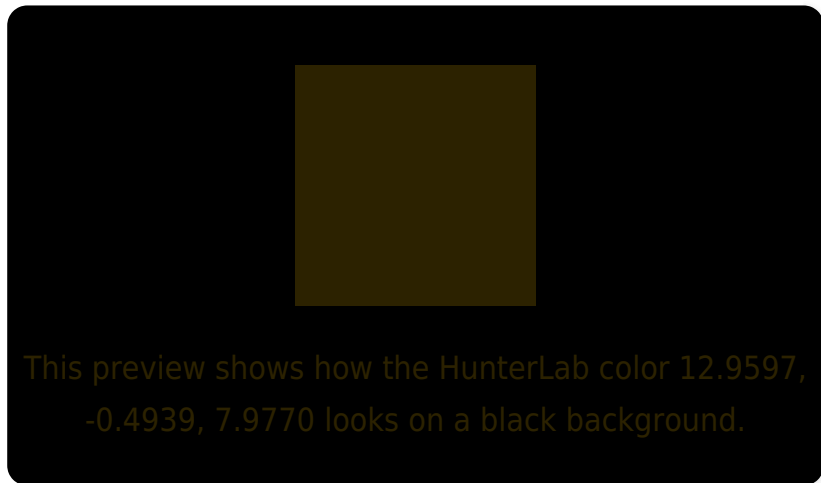
Large Text (above 18pt) WCAG AA ✓ Pass

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

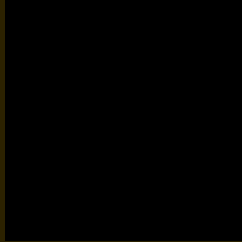
Any Text WCAG AA × Fail

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 12.9597, -0.4939, 7.9770 Background



This preview shows how black text looks on a background with the HunterLab color 12.9597, -0.4939, 7.9770.

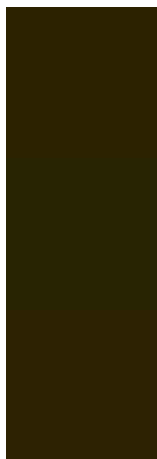


This preview shows how white text looks on a background with the HunterLab color 12.9597, -0.4939,

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

12.9597, -0.4939, 7.9770

Protanopia

13.1044, -2.2703, 7.7753

Deuteranopia

13.0626, -0.1052, 7.7866



Tritanopia

13.1505, 3.2103, 1.3363

Trichromacy



Original Color

12.9597, -0.4939, 7.9770

Protanomaly

12.9448, -1.6803, 7.8156

Deuteranomaly

13.0543, -0.1508, 7.9109

Tritanomaly

13.0519, 1.3777, 4.6186

Monochromacy



Original Color

12.9597, -0.4939, 7.9770

Achromatopsia

12.3323, -0.6580, 0.6700

Achromatomaly

12.3902, -0.9063, 4.2240

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 12.9597, -0.4939, 7.9770 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(44, 34, 0)` looks like.

```
.text, #text, p{  
    color:rgb(44, 34, 0)  
}
```

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(44, 34, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 34, 0) }
```

Border

The CSS property to change the border of an element to HunterLab 12.9597, -0.4939, 7.9770 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(44, 34, 0) }
```


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

```
.border{ border-color:rgb(44, 34, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 34, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 34, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(44, 34, 0); box-shadow:4px  
4px 4px 4px rgb(44, 34, 0) }
```

Background

The CSS property to change the background color of an element to HunterLab 12.9597, -0.4939, 7.9770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 34, 0) }
```

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

```
.background{ background-color: rgb(44, 34,  
0) }
```

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