

Converting Colors

HunterLab(12.0698, -3.2802,
-8.0052)

Have a look what the booklet for
HunterLab(12.0698, -3.2802,
-8.0052) contains.

HunterLab(12.0045, -3.1858, -8.1274)	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(12.0045, -3.1858,
-8.1274)**

Conversions

Conversions Part 1

Format	Color
Hex	002333
RGB	0, 35, 51
RGB Percent	0%, 14%, 20%
CMY	1.0000, 0.8627, 0.8000
CMYK	1.00, 0.31, 0.00, 0.80
HSL	199°, 100%, 10%
HSV	199°, 100%, 20%
XYZ	1.1986, 1.4411, 3.3470
YIQ	26.3590, -25.9960, -2.4440

Conversions

Conversions Part 2

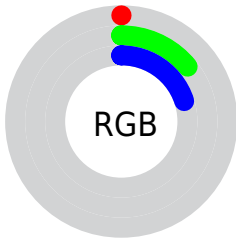
Format	Color
RYB	0, 21, 51
Decimal	9011
CIELab	12.23, -5.29, -13.98
CIELCh	12, 14.949, 249.260
Yxy	1.4411, 0.2002, 0.2407
Android (android.graphics.Color)	4278199091 (0xFF002333)
YUV	26.3590, 12.1480, -23.1168
Hunter-Lab	12.0045, -3.1858, -8.1274

Details

The HunterLab color **12.0045, -3.1858, -8.1274** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10.3656, 8.5618, 6.5368**, and the grayscale version is **10.2432, -0.5466, 0.5565**.

A 20% lighter version of the original color is **26.7079, -4.8403, -8.7333**, and **0.4681, 1.2698, -3.3263** is the 20% darker color. If you saturate the color by 10%, you get **12.0045, -3.1856, -8.1276**, and if you desaturate by 10%, it is **12.5314, -3.2611, -7.1538**.

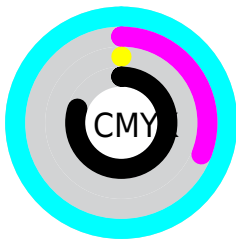
Distribution



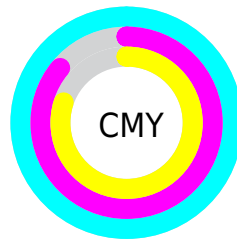
- Red (0%)
- Green (14%)
- Blue (20%)



- Red (0%)
- Yellow (8%)
- Blue (20%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (80%)



- Cyan (100%)
- Magenta (86%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 12.0045, -3.1858, -8.1274 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 12.0045, -3.1858, -8.1274 by changing the saturation by 10% instead.

■ 12.0045, -3.1858,
-8.1274

■ 12.0045, -3.1858,
-8.1274

■ 102.8959,
-10.8801, -9.0256

■ 4.9673, -4.9094,
-11.7345

■ 26.8085, -4.8190,
-8.8201

0.0000, NaN, -NF

0.0000, NaN, NaN

■ 35.5647, -5.6378,
-9.0537

0.0000, NaN, NaN

■ 45.1091, -6.4684,
-9.2103

0.0000, NaN, NaN

■ 55.3813, -7.3144,
-9.2954

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 66.3328, -8.1777,
-9.3147

0.0000, NaN, NaN

■ 77.9240, -9.0594,

0.0000, NaN, NaN

-9.2732

■ 90.1212, -9.9601,
-9.1756

■ 12.0045, -3.1858,
-8.1274

■ 12.0045, -3.1858,
-8.1274

■ 12.0045, -3.1856,
-8.1276

■ 12.5314, -3.2611,
-7.1538

■ 13.0535, -3.3603,
-6.2411

■ 13.5916, -3.4079,
-5.3472

■ 14.1624, -3.3431,
-4.4437

■ 14.7646, -3.1717,
-3.5347

■ 15.3969, -2.9008,
-2.6239

■ 16.0576, -2.5378,
-1.7141

■ 16.7453, -2.0903,
-0.8077

■ 17.4583, -1.5655,
0.0937

Harmonies

Analogous

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



12.0047, -5.9184, -4.8012



12.0045, -3.1858, -8.1274



12.0047, 0.5908, -8.7474

Triad

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



12.0047, -3.1857, -8.1272



12.0047, 7.7029, 1.7467



12.0047, -5.0321, 5.1199

Complementary

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



12.0045, -3.1858, -8.1274



10.3656, 8.5618, 6.5368

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.



12.0047, -1.8254, 6.2178



12.0045, -3.1858, -8.1274



12.0047, 5.7419, 4.3898

Square

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



12.0047, -3.1857, -8.1272



12.0047, 7.2170, -2.1605



12.0047, 2.1346, 5.9505



12.0047, -6.8860, 2.9173

Rectangle

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



12.0045, -3.1858, -8.1274



12.0047, 3.2528, -7.3953



12.0047, 2.1346, 5.9505



12.0047, -4.0945, 5.6264

Sweetspot

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



12.0047, -3.1857, -8.1272



20.5555, -3.3514, -2.3934



15.5018, -12.4783, 7.5617



10.8222, -1.7877, -1.3059



59.5560, -3.1778, 3.2358



12.3795, -0.6605, 0.6726

Same Dimension

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



12.0047, -3.1857, -8.1272



15.2053, -3.7199, -10.9750



6.7860, 6.7559, -23.0647



9.6770, -0.8062, 0.1390



20.2229, -4.5340, -15.4891



51.3927, -9.3592, -44.0326

Inverse Universe

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



9.0842, 16.8913, -4.4852



11.6706, 21.6428, -5.2998



15.0862, -0.9464, 9.2792



9.4488, 0.2967, 0.1624



15.7348, 29.1047, -6.5633



41.0796, 75.6126, -14.2496

Previews

White Background



This preview shows how the HunterLab color 12.0045, -3.1858, -8.1274 looks on a white background.

Color Contrast Check

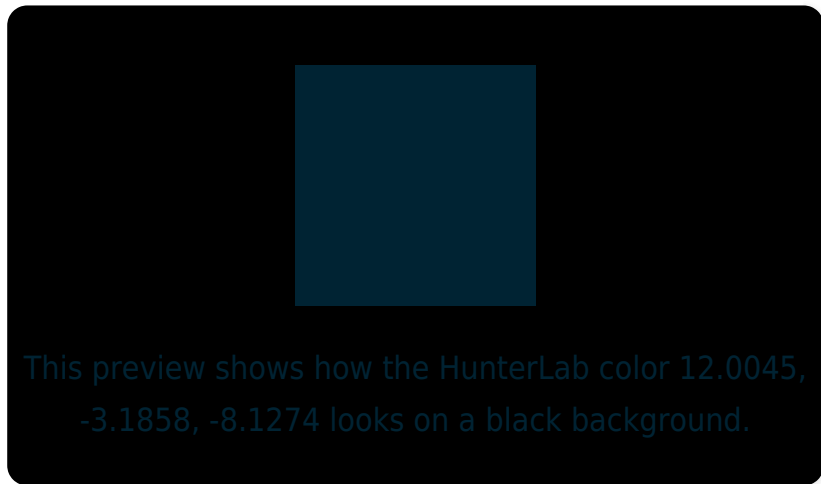
Large Text (above 18pt) WCAG AA ✓ Pass

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

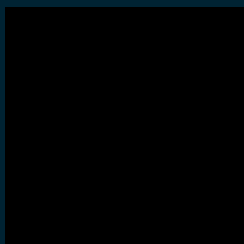
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

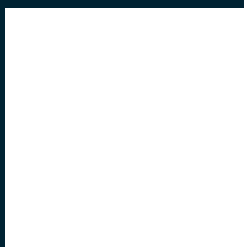
Any Text WCAG AAA × Fail

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

HunterLab 12.0045, -3.1858, -8.1274 Background



This preview shows how black text looks on a background with the HunterLab color 12.0045, -3.1858, -8.1274.



This preview shows how white text looks on a background with the HunterLab color 12.0045, -3.1858, -8.1274.

-8.1274.

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

12.0045, -3.1858, -8.1274

Protanopia

12.1975, 0.9405, -6.5918

Deuteranopia

12.3199, 0.4201, -8.0362



Tritanopia

12.1228, -6.0815, -2.0241

Trichromacy



Original Color

12.0045, -3.1858, -8.1274

Protanomaly

11.9882, -0.8673, -7.5523

Deuteranomaly

12.2211, -1.1013, -8.2502

Tritanomaly

11.9840, -5.0805, -4.0118

Monochromacy



Original Color

12.0045, -3.1858, -8.1274

Achromatopsia

10.1636, -0.5423, 0.5522

Achromatomaly

10.5795, -2.0820, -2.4288

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 12.0045, -3.1858, -8.1274 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(0, 35, 51)` looks like.

```
.text, #text, p{  
    color:rgb(0, 35, 51)  
}
```

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(0, 35, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 35, 51) }
```

Border

The CSS property to change the border of an element to HunterLab 12.0045, -3.1858, -8.1274 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(0, 35, 51) }
```


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

```
.border{ border-color:rgb(0, 35, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 35, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 35, 51); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 35, 51); box-shadow:4px  
4px 4px 4px rgb(0, 35, 51) }
```

Background

The CSS property to change the background color of an element to HunterLab 12.0045, -3.1858, -8.1274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 35, 51) }
```

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

```
.background{ background-color: rgb(0, 35,  
51) }
```

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