

Converting Colors

HunterLab(12.4334, 33.7215,
-88.3120)

Have a look what the booklet for
HunterLab(12.4334, 33.7215,
-88.3120) contains.

HunterLab(12.4840, 33.8630, -88.7044)	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(12.4840, 33.8630,
-88.7044)**

Conversions

Conversions Part 1

Format	Color
Hex	000080
RGB	0, 0, 128
RGB Percent	0%, 0%, 50%
CMY	0.9999, 1.0000, 0.4980
CMYK	1.00, 1.00, 0.00, 0.50
HSL	240°, 100%, 25%
HSV	240°, 100%, 50%
XYZ	3.8963, 1.5585, 20.5175
YIQ	14.5920, -41.0880, 39.8080

Conversions

Conversions Part 2

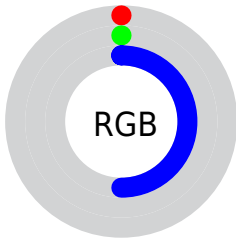
Format	Color
RYB	0, 0, 128
Decimal	128
CIELab	12.98, 47.51, -64.70
CIELCh	13, 80.271, 306.288
Yxy	1.5586, 0.1500, 0.0600
Android (android.graphics.Color)	4278190208 (0xFF000080)
YUV	14.5920, 55.9101, -12.7972
Hunter-Lab	12.4840, 33.8630, -88.7044

Details

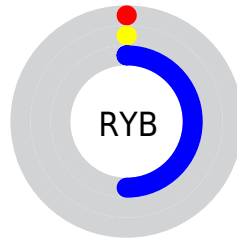
The HunterLab color **12.4840, 33.8630, -88.7044** is a dark color, and the websafe version is hex **330099**, and the color name is **navy**. A complement of this color would be **44.7507, -12.0254, 27.3647**, and the grayscale version is **6.6509, -0.3549, 0.3614**.

A 20% lighter version of the original color is **27.2992, 37.6461, -78.6372**, and **7.3200, 19.8555, -52.0116** is the 20% darker color. If you saturate the color by 10%, you get **12.4845, 33.8633, -88.7008**, and if you desaturate by 10%, it is **13.8760, 29.7573, -78.1889**.

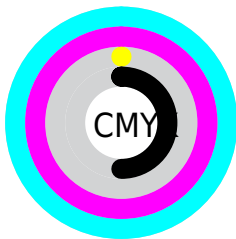
Distribution



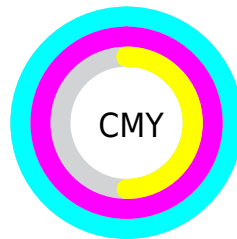
- Red (0%)
- Green (0%)
- Blue (50%)



- Red (0%)
- Yellow (0%)
- Blue (50%)



- Cyan (100%)
- Magenta (100%)
- Yellow (0%)
- Black (50%)



- Cyan (100%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 12.4840, 33.8630, -88.7044 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 12.4840, 33.8630, -88.7044 by changing the saturation by 10% instead.

■ 12.4840, 33.8630,
-88.7044

■ 12.4840, 33.8630,
-88.7044

■ 103.8728, 48.1067,
-79.9192

■ 5.7398, 41.0730,
-125.9692

■ 27.4339, 37.5607,
-78.3818

0.0000, INF, -NF

0.0000, NaN, -NF

■ 36.2515, 39.3925,
-77.1597

0.0000, NaN, -NF

■ 45.8522, 41.1192,
-76.8725

0.0000, NaN, -NF

■ 56.1766, 42.7312,
-77.0977

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 67.1772, 44.2300,
-77.6156

0.0000, NaN, NaN

■ 78.8148, 45.6211,

0.0000, NaN, NaN

-78.3029

91.0561, 46.9111,
-79.0860

12.4840, 33.8630,
-88.7044

12.4840, 33.8630,
-88.7044

12.4845, 33.8633,
-88.7008

13.8760, 29.7573,
-78.1889

15.7932, 25.1783,
-66.4949

18.4130, 20.2893,
-54.0580

21.5707, 15.7474,
-42.5654

25.1308, 11.7398,
-32.4899

■ 28.9967, 8.2364,
-23.7456

■ 33.1020, 5.1461,
-16.0912

■ 37.4012, 2.3776,
-9.2859

■ 41.8619, -0.1447,
-3.1317

Harmonies

Analogous

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



12.4845, 4.1283, -132.4414



12.4840, 33.8630, -88.7044



12.4845, 63.0435, -27.2124

Triad

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



12.4845, 33.8633, -88.7008



12.4845, 20.3669, 8.7391



12.4845, -21.8478, -4.3680

Complementary

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



12.4840, 33.8630, -88.7044



44.7507, -12.0254, 27.3647

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.



12.4845, -21.8478, 8.7391



12.4840, 33.8630, -88.7044



12.4845, -4.8322, 8.7391

Square

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



12.4845, 33.8633, -88.7008



12.4845, 52.2506, 8.7391



12.4845, -18.9079, 8.7391



12.4845, -21.8478, -51.1087

Rectangle

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



12.4840, 33.8630, -88.7044



12.4845, 71.8123, -2.1065



12.4845, -18.9079, 8.7391



12.4845, -21.8478, 2.9423

Sweetspot

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



12.4845, 33.8633, -88.7008



43.5382, 7.0964, -22.0128



41.2272, -21.8567, -4.3481



20.1191, 4.1165, -12.3390



80.9895, -4.3214, 4.4003



29.8298, -1.5916, 1.6207

Same Dimension

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



12.4845, 33.8633, -88.7008



16.5655, 44.9330, -117.6981



16.2742, 37.4464, -63.7178



20.5225, -0.1762, -1.2628



12.4317, 33.7203, -88.3262

0.0000, NaN, NaN

Inverse Universe

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



24.7937, 48.7439, -32.6913



32.8987, 64.6781, -43.3776



40.6551, -27.9713, 24.5618



21.0057, 1.4638, -0.6161

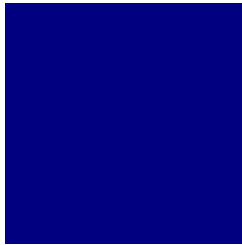


24.6890, 48.5381, -32.5532

0.0000, NaN, NaN

Previews

White Background



This preview shows how the HunterLab color 12.4840, 33.8630, -88.7044 looks on a white background.

Color Contrast Check

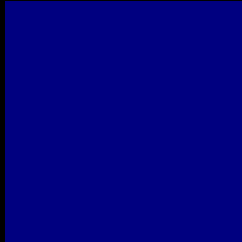
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4840, 33.8630, -88.7044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

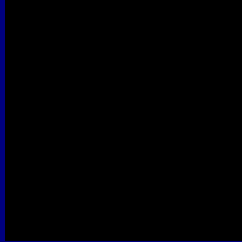
Any Text WCAG AA × Fail

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 12.4840, 33.8630, -88.7044 Background



This preview shows how black text looks on a background with the HunterLab color 12.4840, 33.8630, -88.7044.



This preview shows how white text looks on a background with the HunterLab color 12.4840, 33.8630, -88.7044.

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

12.4840, 33.8630, -88.7044

Protanopia

13.6865, 2.6117, -22.7447

Deuteranopia

13.8236, -1.6954, -13.6184



Tritanopia

13.8464, -6.9884, -2.2209

Trichromacy



Original Color

12.4840, 33.8630, -88.7044

Protanomaly

12.2384, 14.1407, -45.8228

Deuteranomaly

11.9018, 11.4290, -39.5481

Tritanomaly

11.3660, 6.2096, -27.6113

Monochromacy



Original Color

12.4840, 33.8630, -88.7044

Achromatopsia

6.9116, -0.3688, 0.3755

Achromatomaly

7.5308, 9.2798, -24.6528

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 12.4840, 33.8630, -88.7044 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, 0, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 0, 128)  
}
```

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, 0, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 0, 128) }
```

Border

The CSS property to change the border of an element to HunterLab 12.4840, 33.8630, -88.7044 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, 0, 128) }
```


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

```
.border{ border-color:rgb(0, 0, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 0, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 0, 128); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 0, 128); box-shadow:4px  
4px 4px 4px rgb(0, 0, 128) }
```

Background

The CSS property to change the background color of an element to HunterLab 12.4840, 33.8630, -88.7044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 0, 128) }
```

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

```
.background{ background-color: rgb(0, 0,  
128) }
```

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