

Converting Colors

HunterLab(12.9773, 3.4185,
-23.6002)

Have a look what the booklet for
HunterLab(12.9773, 3.4185,
-23.6002) contains.

HunterLab(12.9610, 3.6447, -24.0680)	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(12.9610, 3.6447,
-24.0680)**

Conversions

Conversions Part 1

Format	Color
Hex	00224D
RGB	0, 34, 77
RGB Percent	0%, 13%, 30%
CMY	1.0000, 0.8667, 0.6980
CMYK	1.00, 0.56, 0.00, 0.70
HSL	214°, 100%, 15%
HSV	214°, 100%, 30%
XYZ	1.9116, 1.6799, 7.2447
YIQ	28.7360, -34.0670, 6.1650

Conversions

Conversions Part 2

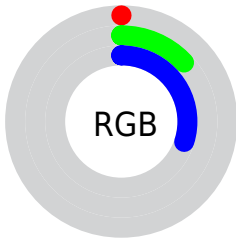
Format	Color
RYB	0, 24, 77
Decimal	8781
CIELab	13.71, 7.92, -29.82
CIELCh	14, 30.855, 284.873
Yxy	1.6799, 0.1764, 0.1550
Android (android.graphics.Color)	4278198861 (0xFF00224D)
YUV	28.7360, 23.7942, -25.2015
Hunter-Lab	12.9610, 3.6447, -24.0680

Details

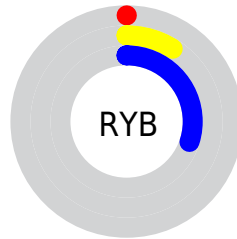
The HunterLab color **12.9610, 3.6447, -24.0680** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **18.1823, 6.7106, 11.3208**, and the grayscale version is **10.9398, -0.5837, 0.5944**.

A 20% lighter version of the original color is **28.1350, 3.7634, -24.1935**, and **3.8432, 6.3916, -18.6013** is the 20% darker color. If you saturate the color by 10%, you get **12.9603, 3.6461, -24.0702**, and if you desaturate by 10%, it is **14.1105, 2.3624, -20.7658**.

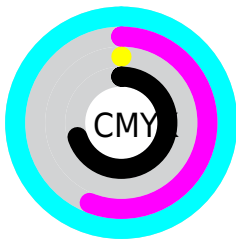
Distribution



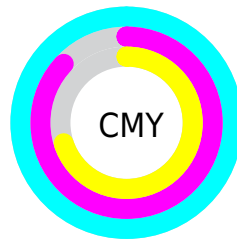
- Red (0%)
- Green (13%)
- Blue (30%)



- Red (0%)
- Yellow (9%)
- Blue (30%)



- Cyan (100%)
- Magenta (56%)
- Yellow (0%)
- Black (70%)



- Cyan (100%)
- Magenta (87%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 12.9610, 3.6447, -24.0680 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 12.9610, 3.6447, -24.0680 by changing the saturation by 10% instead.

■ 12.9610, 3.6447,
-24.0680

■ 12.9610, 3.6447,
-24.0680

■ 104.8342, 2.7168,
-28.0714

■ 6.4078, 5.0433,
-28.2215

■ 28.0521, 3.9766,
-24.7169

0.0000, NaN, -NF

0.0000, NaN, -NF

■ 36.9294, 3.9914,
-25.2886

0.0000, NaN, NaN

■ 46.5850, 3.9276,
-25.8636

0.0000, NaN, NaN

■ 56.9605, 3.7958,
-26.4069

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 68.0091, 3.6034,
-26.9036

0.0000, NaN, NaN

■ 79.6919, 3.3565,

0.0000, NaN, NaN

-27.3476

■ 91.9763, 3.0597,
-27.7368

■ 12.9610, 3.6447,
-24.0680

■ 12.9610, 3.6447,
-24.0680

■ 12.9603, 3.6461,
-24.0702

■ 14.1105, 2.3624,
-20.7658

■ 15.2960, 1.1537,
-17.7699

■ 16.5661, 0.1870,
-14.9177

■ 17.9148, -0.5484,
-12.2076

■ 19.3335, -1.0780,
-9.6376

■ 20.8146, -1.4274,
-7.1990

■ 22.3514, -1.6202,
-4.8803

■ 23.9382, -1.6772,
-2.6688

■ 25.5703, -1.6165,
-0.5521

Harmonies

Analogous

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



12.9612, -4.5849, -24.0243



12.9610, 3.6447, -24.0680



12.9612, 12.5368, -15.2352

Triad

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



12.9612, 3.6452, -24.0677



12.9612, 12.6051, 8.4757



12.9612, -12.8299, 4.0636

Complementary

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



12.9610, 3.6447, -24.0680



18.1823, 6.7106, 11.3208

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.



12.9612, -10.1085, 8.5067



12.9610, 3.6447, -24.0680



12.9612, 3.7220, 9.0728

Square

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



12.9612, 3.6452, -24.0677



12.9612, 18.5256, 4.0175



12.9612, -4.5251, 9.0728



12.9612, -12.8418, -3.8066

Rectangle

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



12.9610, 3.6447, -24.0680



12.9612, 17.0663, -7.4974



12.9612, -4.5251, 9.0728



12.9612, -12.2077, 5.7038

Sweetspot

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



12.9612, 3.6452, -24.0677



28.8987, -2.0925, -6.6798



23.4041, -17.4800, 8.4821



14.5768, -1.0493, -3.7753



66.9319, -3.5713, 3.6365



18.1947, -0.9708, 0.9886

Same Dimension

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



12.9612, 3.6452, -24.0677



16.4441, 5.6441, -32.7377



7.4888, 19.9754, -50.6236



13.2573, -0.8225, -0.1411



16.8485, 5.8790, -33.7502



38.8025, 19.0324, -89.5853

Inverse Universe

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



13.0131, 23.1704, 1.5290



16.9093, 30.0290, 2.6214



25.9425, -8.1548, 15.8425



13.0897, 0.4526, 0.4724



17.3623, 30.8263, 2.7485



42.0552, 74.2703, 9.7379

Previews

White Background



This preview shows how the HunterLab color 12.9610, 3.6447, -24.0680 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 12.9610, 3.6447, -24.0680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

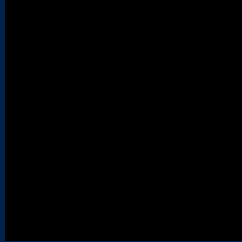
Any Text WCAG AA × Fail

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 12.9610, 3.6447, -24.0680 Background



This preview shows how black text looks on a background with the HunterLab color 12.9610, 3.6447, -24.0680.



This preview shows how white text looks on a background with the HunterLab color 12.9610, 3.6447, -24.0680.

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

12.9610, 3.6447, -24.0680

Protanopia

13.0249, 2.3825, -21.4232

Deuteranopia

13.0127, -1.0030, -14.0996



Tritanopia

13.0077, -6.3671, -2.5137

Trichromacy



Original Color

12.9610, 3.6447, -24.0680

Protanomaly

13.0769, 2.6549, -22.0762

Deuteranomaly

13.0055, 0.6423, -17.6422

Tritanomaly

12.8921, -3.4167, -8.7383

Monochromacy



Original Color

12.9610, 3.6447, -24.0680

Achromatopsia

11.0844, -0.5914, 0.6022

Achromatomaly

11.4273, -0.7442, -6.3826

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 12.9610, 3.6447, -24.0680 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, 34, 77)` looks like.

```
.text, #text, p{  
    color:rgb(0, 34, 77)  
}
```

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, 34, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 34, 77) }
```

Border

The CSS property to change the border of an element to HunterLab 12.9610, 3.6447, -24.0680 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, 34, 77) }
```


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

```
.border{ border-color:rgb(0, 34, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 34, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 34, 77); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 34, 77); box-shadow:4px  
4px 4px 4px rgb(0, 34, 77) }
```

Background

The CSS property to change the background color of an element to HunterLab 12.9610, 3.6447, -24.0680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 34, 77) }
```

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

```
.background{ background-color: rgb(0, 34,  
77) }
```

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