

Converting Colors

HunterLab(12.2147, 22.0415,
-0.8156)

Have a look what the booklet for
HunterLab(12.2147, 22.0415,
-0.8156) contains.

HunterLab(12.1636, 21.9810, -1.0583)	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(12.1636, 21.9810,
-1.0583)**

Conversions

Conversions Part 1

Format	Color
Hex	470026
RGB	71, 0, 38
RGB Percent	28%, 0%, 15%
CMY	0.7216, 1.0000, 0.8510
CMYK	0.00, 1.00, 0.46, 0.72
HSL	328°, 100%, 14%
HSV	328°, 100%, 28%
XYZ	2.9484, 1.4795, 1.9639
YIQ	25.5610, 30.1180, 26.8700

Conversions

Conversions Part 2

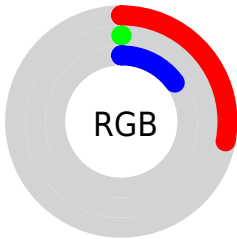
Format	Color
R_YB	71, 0, 38
Decimal	4653094
CIE Lab	12.48, 34.35, -3.35
CIE LCh	12, 34.517, 354.429
Yxy	1.4796, 0.4613, 0.2315
Android (android.graphics.Color)	4282843174 (0xFF470026)
YUV	25.5610, 6.1324, 39.8500
Hunter-Lab	12.1636, 21.9810, -1.0583

Details

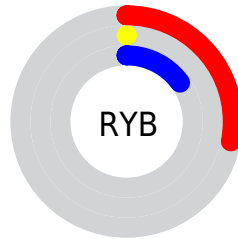
The HunterLab color **12.1636, 21.9810, -1.0583** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **21.4856, -16.5988, 8.9775**, and the grayscale version is **10.0060, -0.5339, 0.5436**.

A 20% lighter version of the original color is **27.0027, 25.1805, -0.8890**, and **1.7962, 3.0761, 1.1607** is the 20% darker color. If you saturate the color by 10%, you get **12.1635, 21.9808, -1.0577**, and if you desaturate by 10%, it is **12.8686, 20.2184, -1.5089**.

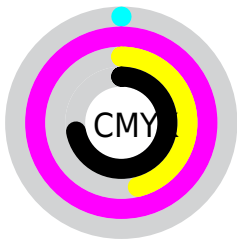
Distribution



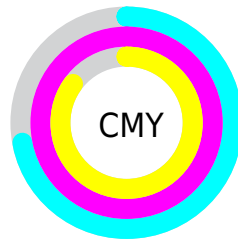
- Red (28%)
- Green (0%)
- Blue (15%)



- Red (28%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (46%)
- Black (72%)



- Cyan (72%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 12.1636, 21.9810, -1.0583 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 12.1636, 21.9810, -1.0583 by changing the saturation by 10% instead.

12.1636, 21.9810,
-1.0583

12.1636, 21.9810,
-1.0583

103.2212, 32.2605,
2.2851

5.2375, 29.2280,
-2.3670

27.0165, 25.0852,
-0.7124

0.0000, INF, NaN

0.0000, NaN, NaN

35.7932, 26.4563,
-0.4330

0.0000, NaN, NaN

45.3564, 27.6955,
-0.0957

0.0000, NaN, NaN

55.6460, 28.8125,
0.2933

0.0000, NaN, NaN

0.0000, NaN, NaN


66.6139, 29.8181,
0.7293


0.0000, NaN, NaN


78.2206, 30.7223,


0.0000, NaN, NaN


1.2086


 90.4326, 31.5339,
1.7280


 12.1636, 21.9810,
-1.0583


 12.1636, 21.9810,
-1.0583


 12.1635, 21.9808,
-1.0577

 12.8686, 20.2184,
-1.5089

 13.5852, 18.5912,
-1.9631

 14.4905, 16.5707,
-2.1785

 15.5890, 14.2314,
-2.1453

 16.8600, 11.7022,
-1.8972

■ 18.2815, 9.0817,
-1.4725

■ 19.8332, 6.4360,
-0.9069

■ 21.4971, 3.8049,
-0.2307

■ 23.2578, 1.2096,
0.5325

Harmonies

Analogous

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



12.1640, 16.9973, -13.4487



12.1636, 21.9810, -1.0583



12.1640, 19.6061, 6.0481

Triad

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



12.1640, 21.9797, -1.0579



12.1640, -7.0449, 8.5148



12.1640, -9.2129, -21.9801

Complementary

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



12.1636, 21.9810, -1.0583



21.4856, -16.5988, 8.9775

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.



12.1640, -13.2781, -8.3714



12.1636, 21.9810, -1.0583



12.1640, -12.0777, 8.0260

Square

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



12.1640, 21.9797, -1.0579



12.1640, 1.0870, 8.5148



12.1640, -14.3267, 2.1627



12.1640, -2.2941, -30.0439

Rectangle

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



12.1636, 21.9810, -1.0583



12.1640, 14.4467, 8.5148



12.1640, -14.3267, 2.1627



12.1640, -10.8501, -17.5725

Sweetspot

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



12.1640, 21.9797, -1.0579



25.5455, 8.7712, -1.2735



8.7254, 20.1537, -34.7777



12.7167, 4.7557, -0.7170



64.8100, -3.4581, 3.5212



16.4960, -0.8802, 0.8963

Same Dimension

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



12.1640, 21.9797, -1.0579



15.7730, 28.4246, -0.7599



11.6080, 19.9443, 6.9807



12.3510, 0.4468, 0.3388



17.1382, 30.8615, -0.6453



42.0887, 75.3849, 1.5633

Inverse Universe

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



12.1640, 21.9797, -1.0579



15.7730, 28.4246, -0.7599



22.1747, -12.4029, -0.9415



12.3510, 0.4468, 0.3388



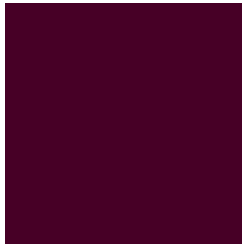
17.1382, 30.8615, -0.6453



42.0887, 75.3849, 1.5633

Previews

White Background



This preview shows how the HunterLab color 12.1636, 21.9810, -1.0583 looks on a white background.

Color Contrast Check

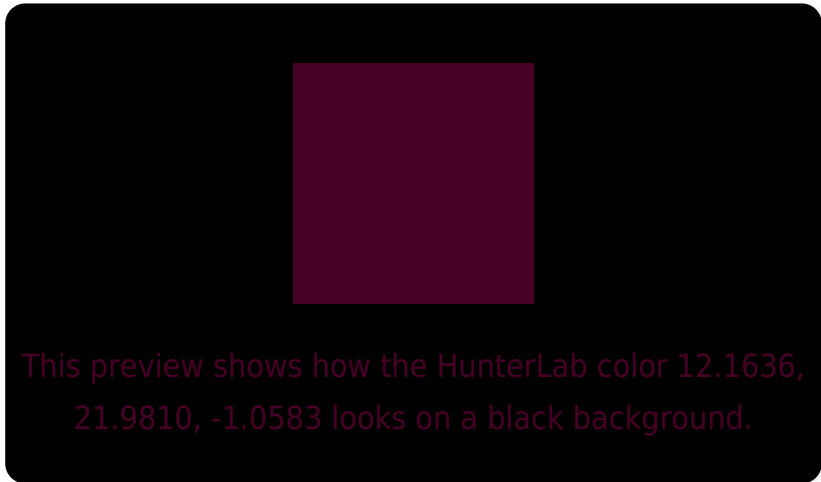
Large Text (above 18pt) WCAG AA ✓ Pass

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

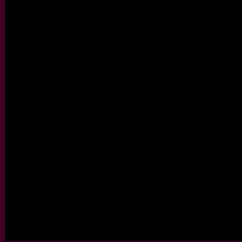
Any Text WCAG AA × Fail

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 12.1636, 21.9810, -1.0583 Background



This preview shows how black text looks on a background with the HunterLab color 12.1636, 21.9810, -1.0583.



This preview shows how white text looks on a background with the HunterLab color 12.1636, 21.9810,

-1.0583.

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

12.1636, 21.9810, -1.0583

Protanopia

13.7487, 0.8182, -7.1006

Deuteranopia

13.6181, 0.4004, 1.4754



Tritanopia

12.9546, 15.6736, 6.1886

Trichromacy



Original Color

12.1636, 21.9810, -1.0583

Protanomaly

12.0659, 8.5864, -6.6930

Deuteranomaly

12.1253, 8.8269, -0.5353

Tritanomaly

12.5739, 17.5882, 4.2336

Monochromacy



Original Color

12.1636, 21.9810, -1.0583

Achromatopsia

10.1636, -0.5423, 0.5522

Achromatomaly

9.9342, 7.5846, -1.0767

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 12.1636, 21.9810, -1.0583 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(71, 0, 38)` looks like.

```
.text, #text, p{  
    color:rgb(71, 0, 38)  
}
```

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(71, 0, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 0, 38) }
```

Border

The CSS property to change the border of an element to HunterLab 12.1636, 21.9810, -1.0583 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(71, 0, 38) }
```


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

```
.border{ border-color:rgb(71, 0, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 0, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 0, 38); -webkit-box-shadow:4px  
4px 4px 4px rgb(71, 0, 38); box-shadow:4px  
4px 4px 4px rgb(71, 0, 38) }
```

Background

The CSS property to change the background color of an element to HunterLab 12.1636, 21.9810, -1.0583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 0, 38) }
```

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

```
.background{ background-color: rgb(71, 0,  
38) }
```

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