

# Converting Colors

HunterLab(12.9546, 23.9168,  
-5.0532)

Have a look what the booklet for  
HunterLab(12.9546, 23.9168,  
-5.0532) contains.

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# Color

**HunterLab(12.9522, 23.8931,  
-4.9019)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4A0031
RGB	74, 0, 49
RGB Percent	29%, 0%, 19%
CMY	0.7098, 1.0000, 0.8078
CMYK	0.00, 1.00, 0.34, 0.71
HSL	320°, 100%, 15%
HSV	320°, 100%, 29%
XYZ	3.3784, 1.6776, 3.0515
YIQ	27.7120, 28.3750, 30.9270

# Conversions

## Conversions Part 2

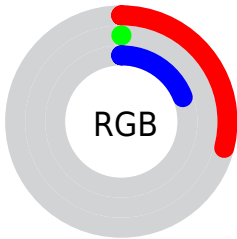
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	74, 0, 49
Decimal	4849713
CIE Lab	13.70, 36.40, -9.55
CIE LCh	14, 37.631, 345.298
Yxy	1.6777, 0.4167, 0.2069
Android (android.graphics.Color)	4283039793 (0xFF4A0031)
YUV	27.7120, 10.4950, 40.5946
Hunter-Lab	12.9522, 23.8931, -4.9019

# Details

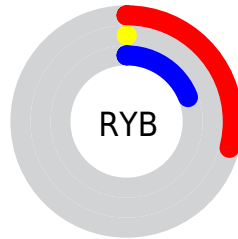
The HunterLab color **12.9522, 23.8931, -4.9019** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **22.2886, -17.9877, 10.9721**, and the grayscale version is **10.6507, -0.5683, 0.5787**.

A 20% lighter version of the original color is **28.1073, 26.9500, -5.0462**, and **3.9929, 6.8379, 2.5801** is the 20% darker color. If you saturate the color by 10%, you get **12.9522, 23.8929, -4.9013**, and if you desaturate by 10%, it is **13.6383, 22.1122, -5.0774**.

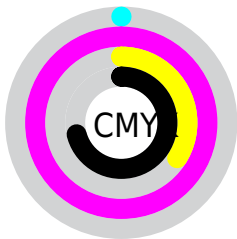
# Distribution



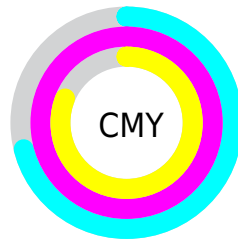
- Red (29%)
- Green (0%)
- Blue (19%)



- Red (29%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (34%)
- Black (71%)



- Cyan (71%)
- Magenta (100%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 12.9522, 23.8931, -4.9019 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 12.9522, 23.8931, -4.9019 by changing the saturation by 10% instead.



12.9522, 23.8931,  
-4.9019

12.9522, 23.8931,  
-4.9019

104.8169, 34.7577,  
-4.1305

6.3965, 26.6725,  
-5.9132

28.0409, 27.1089,  
-5.2268

0.0000, INF, NaN

0.0000, NaN, NaN

36.9172, 28.5460,  
-5.2596

0.0000, NaN, NaN

46.5718, 29.8535,  
-5.2185

0.0000, NaN, NaN

56.9464, 31.0396,  
-5.1111

0.0000, NaN, NaN

0.0000, NaN, NaN


67.9941, 32.1140,  
-4.9439


0.0000, NaN, NaN


79.6761, 33.0862,


0.0000, NaN, NaN


-4.7220


 91.9598, 33.9650,  
-4.4497


 12.9522, 23.8931,  
-4.9019


 12.9522, 23.8931,  
-4.9019


 12.9522, 23.8929,  
-4.9013

 13.6383, 22.1122,  
-5.0774

 14.3469, 20.4045,  
-5.2254

 15.2576, 18.2352,  
-5.0685

 16.3715, 15.7015,  
-4.6222

 17.6680, 12.9443,  
-3.9403

■ 19.1250, 10.0742,  
-3.0765

■ 20.7211, 7.1676,  
-2.0768

■ 22.4377, 4.2718,  
-0.9772

■ 24.2583, 1.4127,  
0.1956

# Harmonies

## Analogous

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



12.9526, 16.1635, -20.1250



12.9522, 23.8931, -4.9019



12.9526, 23.8059, 4.6872

# Triad

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



12.9526, 23.8919, -4.9014



12.9526, -5.4191, 9.0668



12.9526, -11.7121, -20.4380

# Complementary

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



12.9522, 23.8931, -4.9019



22.2886, -17.9877, 10.9721

# 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.



12.9526, -15.0182, -5.1637



12.9522, 23.8931, -4.9019



12.9526, -11.8052, 9.0668

# Square

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



12.9526, 23.8919, -4.9014



12.9526, 4.6033, 9.0668



12.9526, -15.0523, 4.5658



12.9526, -5.2529, -32.8116



# Rectangle

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



12.9522, 23.8931, -4.9019



12.9526, 19.2261, 8.4686



12.9526, -15.0523, 4.5658



12.9526, -13.1394, -15.1137

# Sweetspot

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



12.9526, 23.8919, -4.9014



27.0906, 9.9123, -2.9043



8.3486, 20.2165, -40.5111



13.3826, 5.3697, -1.5976



65.8695, -3.5146, 3.5788



17.3419, -0.9253, 0.9422



# Same Dimension

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



12.9526, 23.8919, -4.9014



17.0526, 31.3846, -5.8915



12.1791, 21.0801, 6.1274



13.1097, 0.5602, 0.1880



17.9903, 33.0976, -6.1162



43.5960, 79.8566, -12.1157



# Inverse Universe

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



12.9526, 23.8919, -4.9014



17.0526, 31.3846, -5.8915



22.8949, -14.2656, 2.1793



13.1097, 0.5602, 0.1880



17.9903, 33.0976, -6.1162

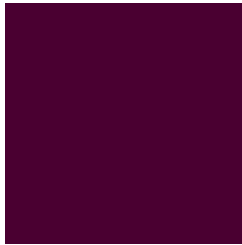


43.5960, 79.8566, -12.1157



# Previews

## White Background



This preview shows how the HunterLab color 12.9522, 23.8931, -4.9019 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

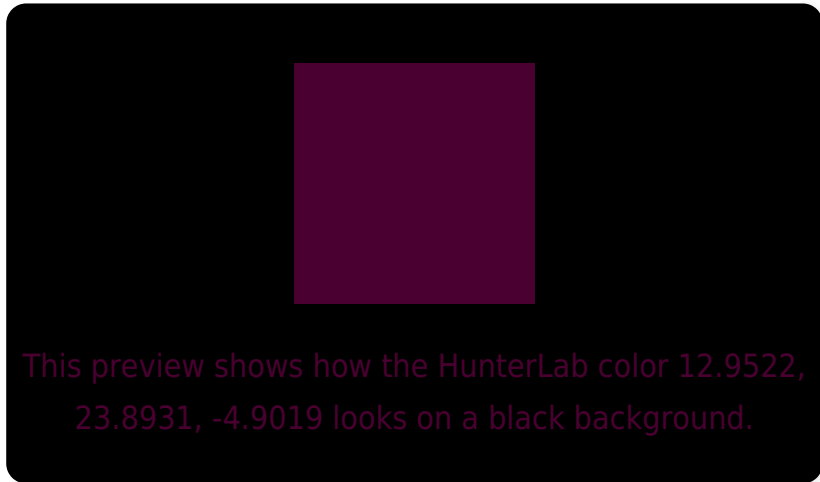
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

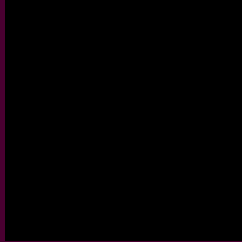
Any Text WCAG AA × Fail

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 12.9522, 23.8931, -4.9019 Background



This preview shows how black text looks on a background with the HunterLab color 12.9522, 23.8931, -4.9019.



This preview shows how white text looks on a background with the HunterLab color 12.9522, 23.8931, -4.9019.



# 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

12.9522, 23.8931, -4.9019

### Protanopia

14.2657, 2.5565, -15.2469

### Deuteranopia

14.2639, 0.8337, -1.9400



## Tritanopia

13.7622, 15.2375, 5.8957

# Trichromacy



## Original Color

12.9522, 23.8931, -4.9019

## Protanomaly

12.3072, 10.2605, -14.1923

## Deuteranomaly

12.6038, 9.8921, -4.7113

## Tritanomaly

13.3354, 18.5117, 2.7778

# Monochromacy



## Original Color

12.9522, 23.8931, -4.9019

## Achromatopsia

10.7760, -0.5750, 0.5855

## Achromatomaly

10.5730, 8.7955, -2.6906

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 12.9522, 23.8931, -4.9019 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(74, 0, 49)` looks like.

```
.text, #text, p{  
    color:rgb(74, 0, 49)  
}
```

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(74, 0, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 0, 49) }
```

## Border

The CSS property to change the border of an element to HunterLab 12.9522, 23.8931, -4.9019 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(74, 0, 49) }
```



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

```
.border{ border-color:rgb(74, 0, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 0, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 0, 49); -webkit-box-shadow:4px  
4px 4px 4px rgb(74, 0, 49); box-shadow:4px  
4px 4px 4px rgb(74, 0, 49) }
```

# Background

The CSS property to change the background color of an element to HunterLab 12.9522, 23.8931, -4.9019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 0, 49) }
```

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

```
.background{ background-color: rgb(74, 0,  
49) }
```

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](#).

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