

# Converting Colors

HunterLab(51.8516, -1.6331,  
31.9221)

Have a look what the booklet for  
HunterLab(51.8516, -1.6331,  
31.9221) contains.

<b>HunterLab(51.8024, -1.4667, 31.8947)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

HunterLab(51.8024, -1.4667,  
31.8947)

# Conversions

## Conversions Part 1

Format	Color
Hex	AB8A00
RGB	171, 138, 0
RGB Percent	67%, 54%, 0%
CMY	0.3294, 0.4588, 1.0000
CMYK	0.00, 0.19, 1.00, 0.33
HSL	48°, 100%, 34%
HSV	48°, 100%, 67%
XYZ	25.8831, 26.8349, 3.8155
YIQ	132.1350, 63.9660, -35.9220

# Conversions

## Conversions Part 2

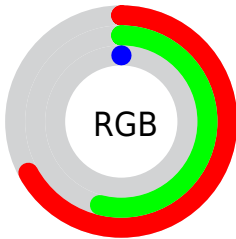
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	41, 171, 0
Decimal	11241984
CIE <sub>Lab</sub>	58.82, 1.58, 63.55
CIE <sub>LCh</sub>	59, 63.573, 88.576
Yxy	26.8362, 0.4578, 0.4747
Android (android.graphics.Color)	4289432064 (0xFFAB8A00)
YUV	132.1350, -65.1426, 34.0846
Hunter-Lab	51.8024, -1.4667, 31.8947

# Details

The HunterLab color **51.8024, -1.4667, 31.8947** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **20.0707, 35.0887, -100.8312**, and the grayscale version is **48.3213, -2.5783, 2.6254**.

A 20% lighter version of the original color is **73.8423, -2.6306, 40.8028**, and **32.7447, -0.0006, 20.1771** is the 20% darker color. If you saturate the color by 10%, you get **51.8031, -1.4682, 31.8951**, and if you desaturate by 10%, it is **52.7620, -2.7950, 31.8617**.

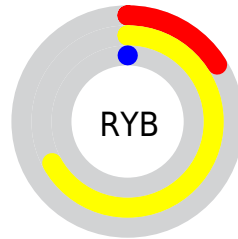
# Distribution



Red (67%)

Green (54%)

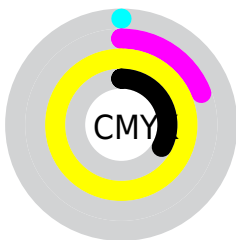
Blue (0%)



Red (16%)

Yellow (67%)

Blue (0%)

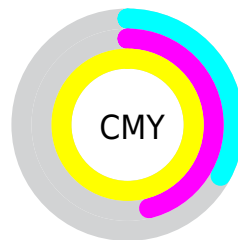


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (46%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 51.8024, -1.4667, 31.8947 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 51.8024, -1.4667, 31.8947 by changing the saturation by 10% instead.



51.8024, -1.4667,  
31.8947

51.8024, -1.4667,  
31.8947

169.3704, -7.1251,  
67.3951

41.7735, -1.0222,  
27.0770

73.9060, -2.4879,  
40.8373

32.4900, -0.6224,  
22.3116

85.9002, -3.0540,  
45.0169

24.0190, -0.2751,  
16.8133

98.4811, -3.6550,  
49.0368

16.4475, 0.0119,  
11.5133

111.6225, -4.2888,  
52.9189

9.8987, 0.2262,  
6.9291

125.3015, -4.9541,  
56.6815

0.0000, NaN, NaN

0.0000, NaN, NaN

139.4976, -5.6494,

60.3400

0.0000, NaN, NaN

154.1927, -6.3734,  
63.9075

0.0000, NaN, NaN

51.8024, -1.4667,  
31.8947

51.8024, -1.4667,  
31.8947

51.8031, -1.4682,  
31.8951

52.7620, -2.7950,  
31.8617

53.7630, -3.9396,  
31.3729

54.8172, -4.8401,  
30.2668

55.9276, -5.4765,  
28.4989

57.0960, -5.8368,  
26.0446

■ 58.3231, -5.9144,  
22.8941

■ 59.6091, -5.7072,  
19.0482

■ 60.9538, -5.2167,  
14.5165

■ 62.3564, -4.4469,  
9.3146

# Harmonies

## Analogous

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



51.8037, 27.2110, 29.7551



51.8024, -1.4667, 31.8947



51.8037, -25.3572, 30.1590

# Triad

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



51.8037, -1.4690, 31.8951



51.8037, -40.9647, -26.8421



51.8037, 49.4632, -30.1476

# Complementary

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



51.8024, -1.4667, 31.8947



20.0707, 35.0887, -100.8312

# 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.



51.8037, 24.5115, -62.1001



51.8024, -1.4667, 31.8947



51.8037, -27.1751, -59.5995

# Square

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



51.8037, -1.4690, 31.8951



51.8037, -45.1589, 4.0334



51.8037, -4.0521, -74.9552



51.8037, 60.1029, 1.5761



# Rectangle

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



51.8024, -1.4667, 31.8947



51.8037, -36.2625, 26.0252



51.8037, -4.0521, -74.9552



51.8037, 42.2495, -41.7169

# Sweetspot

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



51.8037, -1.4690, 31.8951



79.6787, -7.6624, 25.7915



29.6223, 51.1209, 16.0873



37.2905, -3.6898, 13.2179



93.2148, -4.9737, 5.0645



40.3295, -2.1519, 2.1912



# Same Dimension

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



51.8037, -1.4690, 31.8951



69.1105, -1.5999, 42.5575



57.5304, -31.5888, 34.8966



30.1058, -2.1136, 4.3081



45.0594, -1.4119, 27.7407



7.9453, -0.9400, 4.8794



# Inverse Universe

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



20.0707, 35.0887, -100.8312



26.4193, 48.5026, -137.7251



19.1110, 48.1096, -106.9100



28.2809, -0.8958, -1.3581



17.5977, 29.8761, -86.4896

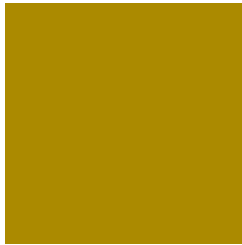


3.9724, 2.1353, -9.5746



# Previews

## White Background



This preview shows how the HunterLab color 51.8024, -1.4667, 31.8947 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

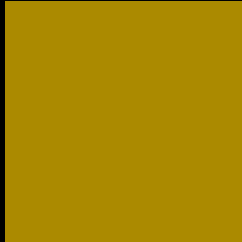
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 51.8024, -1.4667, 31.8947 looks on a black 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 × Fail

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

## HunterLab 51.8024, -1.4667, 31.8947 Background



This preview shows how black text looks on a background with the HunterLab color 51.8024, -1.4667, 31.8947.



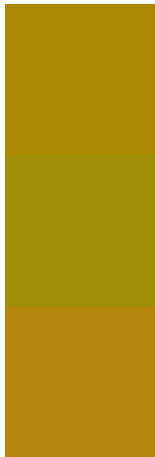
This preview shows how white text looks on a background with the HunterLab color 51.8024, -1.4667,



# 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

51.8024, -1.4667, 31.8947

### Protanopia

51.8024, -7.2368, 31.5637

### Deuteranopia

51.6338, 3.6097, 31.4803



## Tritanopia

51.7091, 15.3707, 4.5621

# Trichromacy



## Original Color

51.8024, -1.4667, 31.8947

## Protanomaly

51.9144, -5.3843, 31.7640

## Deuteranomaly

51.5515, 1.9314, 31.5354

## Tritanomaly

51.3041, 6.5652, 21.0586

# Monochromacy



## Original Color

51.8024, -1.4667, 31.8947

## Achromatopsia

48.0354, -2.5630, 2.6099

## Achromatomaly

48.7866, -4.9584, 19.7820

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 51.8024, -1.4667, 31.8947 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(171, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 138, 0)  
}
```

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(171, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 138, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 51.8024, -1.4667, 31.8947 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(171, 138, 0) }
```



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

```
.border{ border-color:rgb(171, 138, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 138, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 138,  
0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 51.8024, -1.4667, 31.8947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 138, 0) }
```

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

```
.background{ background-color: rgb(171,  
138, 0) }
```

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