

# Converting Colors

HunterLab(70.2237, -42.0204,  
42.5359)

Have a look what the booklet for  
HunterLab(70.2237, -42.0204,  
42.5359) contains.

<b>HunterLab(70.0922, -41.8202, 42.4583)</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(70.0922,  
-41.8202, 42.4583)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85CE00
RGB	133, 206, 0
RGB Percent	52%, 81%, 0%
CMY	0.4784, 0.1921, 0.9999
CMYK	0.35, 0.00, 1.00, 0.19
HSL	81°, 100%, 40%
HSV	81°, 100%, 81%
XYZ	31.7442, 49.1292, 7.8098
YIQ	160.6890, 22.6180, -79.5420

# Conversions

## Conversions Part 2

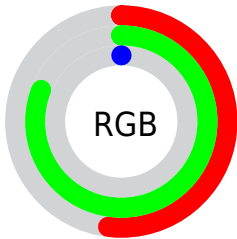
Format	Color
<b>RYB</b>	0, 206, 73
Decimal	8769024
CIELab	75.53, -47.63, 74.71
CIELCh	76, 88.604, 122.517
Yxy	49.1313, 0.3579, 0.5540
Android (android.graphics.Color)	4286959104 (0xFF85CE00)
YUV	160.6890, -79.2197, -24.2833
Hunter-Lab	70.0922, -41.8202, 42.4583

# Details

The HunterLab color  $70.0922, -41.8202, 42.4583$  is a dark color, and the websafe version is hex  $99CC00$ . The color can be described as dark washed chartreuse. A complement of this color would be  $24.2379, 59.8877, -126.8615$ , and the grayscale version is  $59.8816, -3.1951, 3.2535$ .

A 20% lighter version of the original color is  $91.2968, -44.2983, 50.1665$ , and  $48.5686, -33.9439, 29.3335$  is the 20% darker color. If you saturate the color by 10%, you get  $70.0931, -41.8243, 42.4589$ , and if you desaturate by 10%, it is  $70.5685, -39.8450, 42.2055$ .

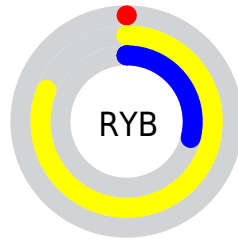
# Distribution



Red (52%)

Green (81%)

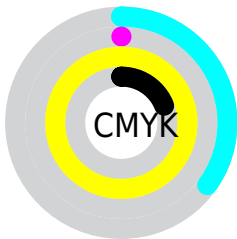
Blue (0%)



Red (0%)

Yellow (81%)

Blue (29%)

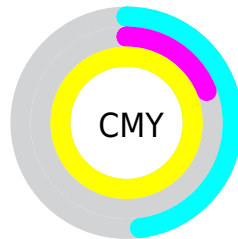


Cyan (35%)

Magenta (0%)

Yellow (100%)

Black (19%)



Cyan (48%)

Magenta (19%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 70.0922, -41.8202, 42.4583 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 70.0922, -41.8202, 42.4583 by changing the saturation by 10% instead.



70.0922, -41.8202,  
42.4583

70.0922, -41.8202,  
42.4583

195.7700,  
-67.4911, 81.2773

58.9268, -38.5348,  
37.3366

94.2796, -48.0220,  
52.0807

48.4253, -35.0812,  
31.9826

107.2393,  
-50.9788, 56.6251

38.6344, -31.4137,  
26.6373

120.7438,  
-53.8611, 61.0192

29.6101, -27.4629,  
20.7271

134.7719,  
-56.6803, 65.2807

21.4241, -23.1214,  
14.9969

149.3048,  
-59.4459, 69.4249

14.1729, -18.8615,  
9.9211

164.3254,

7.8264, -13.6963,

-62.1655, 73.4650

5.4785

179.8185,  
-64.8454, 77.4125

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 70.0922, -41.8202,  
42.4583

■ 70.0922, -41.8202,  
42.4583

■ 70.0931, -41.8243,  
42.4589

■ 70.5685, -39.8450,  
42.2055

■ 71.1093, -37.5437,  
41.3934

■ 71.7285, -34.8513,  
39.8419

■ 72.4316, -31.7437,  
37.4718

■ 73.2228, -28.2083,

34.2292

■ 74.1048, -24.2407,  
30.0802

■ 75.0795, -19.8438,  
25.0069

■ 76.1478, -15.0261,  
19.0052

■ 77.3101, -9.8007,  
12.0831

# Harmonies

## Analogous

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



70.0937, -7.2273, 45.2345



70.0922, -41.8202, 42.4583



70.0937, -61.6011, 30.6620

# Triad

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



70.0937, -41.8218, 42.4586



70.0937, -37.0186, -103.0673



70.0937, 95.5998, 7.0802

# Complementary

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



70.0922, -41.8202, 42.4583



24.2379, 59.8877, -126.8615

# 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.



70.0937, 82.4353, -41.2576



70.0922, -41.8202, 42.4583



70.0937, -0.1909, -123.0194

# Square

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



70.0937, -41.8218, 42.4586



70.0937, -59.3173, -50.7623



70.0937, 44.7325, -95.6795



70.0937, 77.4172, 33.6641



# Rectangle

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



70.0922, -41.8202, 42.4583



70.0937, -66.8061, 13.0334



70.0937, 44.7325, -95.6795



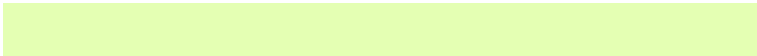
70.0937, 94.6939, -6.8542

# Sweetspot

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



70.0937, -41.8218, 42.4586



95.5143, -25.4835, 32.1002



42.1576, 43.8480, 26.7439



43.9385, -12.9216, 16.1842

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



70.0937, -41.8218, 42.4586



89.1508, -53.5037, 53.9976



66.6595, -56.0417, 40.0935



35.9028, -4.3966, 5.4009



55.0523, -32.6143, 33.3520



12.6691, -6.7499, 7.6885



# Inverse Universe

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



24.2379, 59.8877, -126.8615



30.6802, 76.0732, -162.5940



36.8558, 75.2038, -69.9139



33.2177, 0.8214, -1.9537



19.1471, 47.1207, -98.7174



4.8106, 11.1809, -19.7018



# Previews

## White Background



This preview shows how the HunterLab color 70.0922, -41.8202, 42.4583 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

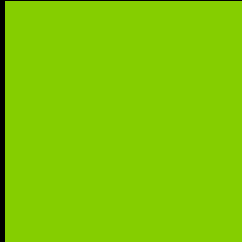
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 70.0922, -41.8202, 42.4583 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 ✓ Pass

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

## HunterLab 70.0922, -41.8202, 42.4583 Background



This preview shows how black text looks on a background with the HunterLab color 70.0922, -41.8202, 42.4583.



This preview shows how white text looks on a background with the HunterLab color 70.0922, -41.8202, 42.4583.

-41.8202, 42.4583.

# 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

70.0922, -41.8202, 42.4583

### Protanopia

69.7661, -9.8897, 42.8164

### Deuteranopia

69.6617, 4.9624, 41.3035



## Tritanopia

69.8106, -11.1704, -7.3139

# Trichromacy



## Original Color

70.0922, -41.8202, 42.4583

## Protanomaly

69.2558, -22.9317, 42.2737

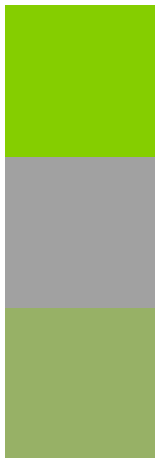
## Deuteranomaly

68.9066, -14.4506, 41.4156

## Tritanomaly

68.8105, -27.1938, 23.1152

# Monochromacy



## Original Color

70.0922, -41.8202, 42.4583

## Achromatopsia

59.6993, -3.1854, 3.2436

## Achromatomaly

62.4363, -20.9719, 26.1689

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 70.0922, -41.8202, 42.4583 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(133, 206, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 206, 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(133, 206, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 206, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 70.0922, -41.8202, 42.4583 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(133, 206, 0) }
```



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

```
.border{ border-color:rgb(133, 206, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 206, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 206, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 206, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 206,  
0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 70.0922, -41.8202, 42.4583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 206, 0) }
```

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

```
.background{ background-color: rgb(133,  
206, 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