

# Converting Colors

HunterLab(80.7373, -69.2309,  
48.5369)

Have a look what the booklet for  
HunterLab(80.7373, -69.2309,  
48.5369) contains.

<b>HunterLab(80.8114, -69.2958, 48.5825)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**HunterLab(80.8114,  
-69.2958, 48.5825)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00F500
RGB	0, 245, 0
RGB Percent	0%, 96%, 0%
CMY	1.0000, 0.0392, 0.9999
CMYK	1.00, 0.00, 1.00, 0.04
HSL	120°, 100%, 48%
HSV	120°, 100%, 96%
XYZ	32.6524, 65.3048, 10.8841
YIQ	143.8150, -67.3750, -128.1350

# Conversions

## Conversions Part 2

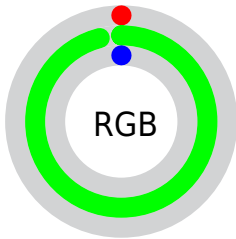
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 245, 245
Decimal	62720
CIELab	84.64, -83.61, 80.70
CIELCh	85, 116.203, 136.017
Yxy	65.3075, 0.3000, 0.6000
Android (android.graphics.Color)	4278252800 (0xFF00F500)
YUV	143.8150, -70.9008, -126.1258
Hunter-Lab	80.8114, -69.2958, 48.5825

# Details

The HunterLab color **80.8114, -69.2958, 48.5825** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **50.9941, 100.2531, -67.2345**, and the grayscale version is **53.0336, -2.8297, 2.8814**.

A 20% lighter version of the original color is **87.2010, -60.6065, 46.0950**, and **59.6160, -51.1207, 35.8401** is the 20% darker color. If you saturate the color by 10%, you get **80.8131, -69.2969, 48.5828**, and if you desaturate by 10%, it is **80.9790, -68.5030, 48.0455**.

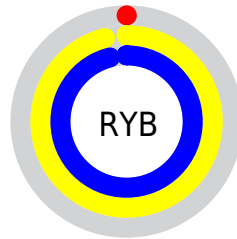
# Distribution



Red (0%)

Green (96%)

Blue (0%)



Red (0%)

Yellow (96%)

Blue (96%)

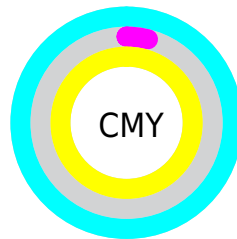


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (4%)



Cyan (100%)

Magenta (4%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the HunterLab color 80.8114, -69.2958, 48.5825 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 80.8114, -69.2958, 48.5825 by changing the saturation by 10% instead.




 80.8114, -69.2958,  
48.5825


 80.8114, -69.2958,  
48.5825


210.6885,  
-109.6411, 89.0639


 69.0728, -63.9741,  
43.3065


 106.0622,  
-79.2564, 58.5455

 57.9635, -58.3602,  
37.8099


 119.5190,  
-83.9615, 63.2717

 47.5234, -52.3893,  
32.0876


 133.5013,  
-88.5177, 67.8522

 37.7984, -45.9725,  
26.4588

 147.9899,  
-92.9444, 72.3030

 28.8455, -38.9872,  
20.1919

 162.9677,  
-97.2577, 76.6382

 20.7384, -31.5430,  
14.5169

 178.4193,

 13.5765, -23.7589,

-101.4710, 80.8698

9.5036

194.3305,  
-105.5957, 85.0086

■ 7.1686, -12.5451,  
5.0180

0.0000, NaN, NaN

■ 80.8114, -69.2958,  
48.5825

■ 80.8114, -69.2958,  
48.5825

■ 80.8131, -69.2969,  
48.5828

■ 80.9790, -68.5030,  
48.0455

■ 81.3526, -66.7228,  
46.8410

■ 81.9949, -63.6844,  
44.7858

■ 82.9376, -59.2746,  
41.8036

■ 84.2020, -53.4500,  
37.8652

■ 85.8008, -46.2260,  
32.9814

■ 87.7393, -37.6667,  
27.1960

■ 90.0165, -27.8732,  
20.5776

■ 92.6262, -16.9711,  
13.2116

# Harmonies

## Analogous

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



80.8131, -32.5255, 54.2090



80.8114, -69.2958, 48.5825



80.8131, -85.8488, 25.8481

# Triad

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



80.8131, -69.2969, 48.5828



80.8131, -29.2540, -177.7142



80.8131, 131.1942, 28.3038

# Complementary

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



80.8114, -69.2958, 48.5825



50.9941, 100.2531, -67.2345

# 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.



80.8131, 132.7976, -25.2469



80.8114, -69.2958, 48.5825



80.8131, 28.3868, -175.1034

# Square

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



80.8131, -69.2969, 48.5828



80.8131, -67.4800, -113.1946



80.8131, 91.2256, -107.4841



80.8131, 87.3141, 49.3120



# Rectangle

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



80.8114, -69.2958, 48.5825



80.8131, -87.2919, -7.3766



80.8131, 91.2256, -107.4841



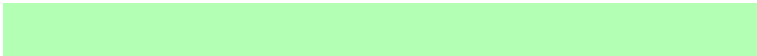
80.8131, 137.0388, 14.6320

# Sweetspot

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



80.8131, -69.2969, 48.5828



91.8037, -39.4790, 28.5017



92.0439, -24.7223, 56.2842



42.0564, -20.0901, 14.4199

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



80.8131, -69.2969, 48.5828



84.5695, -72.5181, 50.8411



81.6854, -63.8496, 35.7334



42.9792, -7.5900, 5.9367



59.3137, -50.8611, 35.6576



17.5843, -15.0782, 10.5706



# Inverse Universe

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



50.9941, 100.2531, -67.2345



53.3645, 104.9132, -70.3597



45.6409, 81.2673, 5.4153



40.9491, 3.3743, -1.5552



37.4277, 73.5820, -49.3478

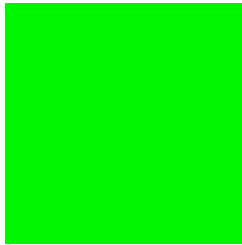


11.0960, 21.8145, -14.6305



# Previews

## White Background



This preview shows how the HunterLab color 80.8114, -69.2958, 48.5825 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

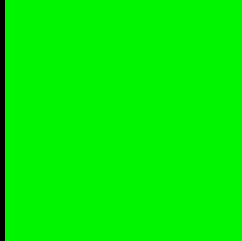
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 80.8114, -69.2958, 48.5825 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

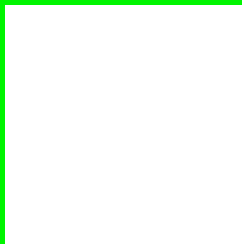
Any Text WCAG AAA ✓ Pass

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

## HunterLab 80.8114, -69.2958, 48.5825 Background



This preview shows how black text looks on a background with the HunterLab color 80.8114, -69.2958, 48.5825.



This preview shows how white text looks on a background with the HunterLab color 80.8114,

-69.2958, 48.5825.

# 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

80.8114, -69.2958, 48.5825

### Protanopia

79.9538, -11.2385, 49.0704

### Deuteranopia

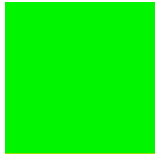
79.7044, 4.5022, 39.8415



## Tritanopia

80.6376, -30.4985, -14.9523

# Trichromacy



## Original Color

80.8114, -69.2958, 48.5825



## Protanomaly

76.9801, -44.3631, 46.6581



## Deuteranomaly

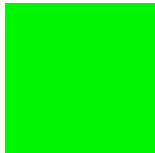
75.6140, -36.9290, 42.0251



## Tritanomaly

79.0179, -52.9925, 23.8282

# Monochromacy



## Original Color

80.8114, -69.2958, 48.5825



## Achromatopsia

52.8104, -2.8178, 2.8693



## Achromatomaly

60.0798, -37.1938, 26.3776

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 80.8114, -69.2958, 48.5825 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, 245, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 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(0, 245, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 80.8114, -69.2958, 48.5825 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, 245, 0) }
```



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

```
.border{ border-color:rgb(0, 245, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 245, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 245, 0); box-shadow:4px  
4px 4px 4px rgb(0, 245, 0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 80.8114, -69.2958, 48.5825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 245, 0) }
```

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

```
.background{ background-color: rgb(0, 245,  
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