

# Converting Colors

HunterLab(84.7195, -71.5769,  
48.6219)

Have a look what the booklet for  
HunterLab(84.7195, -71.5769,  
48.6219) contains.

<b>HunterLab(84.7213, -71.5654, 48.5949)</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(84.7213,  
-71.5654, 48.5949)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FF35
RGB	0, 255, 53
RGB Percent	0%, 100%, 21%
CMY	1.0000, 0.0000, 0.7921
CMYK	1.00, 0.00, 0.79, 0.00
HSL	132°, 100%, 50%
HSV	132°, 100%, 100%
XYZ	36.4026, 71.7770, 15.3039
YIQ	155.7270, -87.1380, -116.8820

# Conversions

## Conversions Part 2

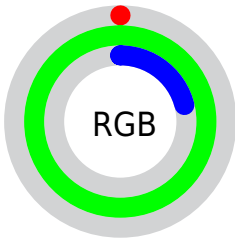
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 211, 255</a>
Decimal	<a href="#">65333</a>
CIELab	<a href="#">87.86, -84.57, 75.08</a>
CIELCh	<a href="#">88, 113.090, 138.401</a>
Yxy	<a href="#">71.7771, 0.2948, 0.5813</a>
Android (android.graphics.Color)	<a href="#">4278255413 (0xFF00FF35)</a>
YUV	<a href="#">155.7270, -50.6444, -136.5726</a>
Hunter-Lab	<a href="#">84.7213, -71.5654, 48.5949</a>

# Details

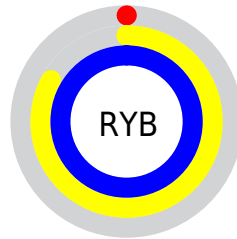
The HunterLab color **84.7213, -71.5654, 48.5949** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **50.5213, 94.9586, -32.7773**, and the grayscale version is **57.7733, -3.0826, 3.1389**.

A 20% lighter version of the original color is **87.5670, -58.5317, 41.9516**, and **62.8330, -53.8793, 37.7742** is the 20% darker color. If you saturate the color by 10%, you get **84.7214, -71.5652, 48.5943**, and if you desaturate by 10%, it is **84.9805, -70.1938, 46.7127**.

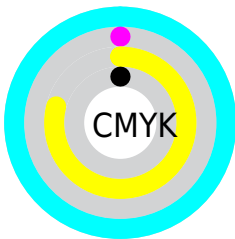
# Distribution



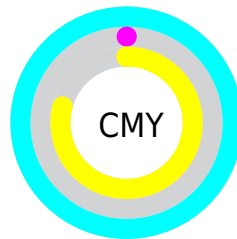
- Red (0%)
- Green (100%)
- Blue (21%)



- Red (0%)
- Yellow (83%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (0%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 84.7213, -71.5654, 48.5949 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 84.7213, -71.5654, 48.5949 by changing the saturation by 10% instead.



■ 84.7213, -71.5654,  
48.5949

■ 84.7213, -71.5654,  
48.5949

216.0476,  
-111.9467, 86.2183

■ 72.7851, -66.2667,  
43.7121

■ 110.3357,  
-81.5033, 57.8163

■ 61.4688, -60.6906,  
38.6199

■ 123.9639,  
-86.2072, 62.1975

■ 50.8086, -54.7763,  
33.2986

■ 138.1111,  
-90.7667, 66.4491

■ 40.8478, -48.4422,  
27.8387

■ 152.7590,  
-95.2001, 70.5859

■ 31.6393, -41.5772,  
22.1475

■ 167.8909,  
-99.5230, 74.6209

■ 23.2506, -34.0293,  
16.2754


183.4920,

■ 15.7713, -27.5997,


-103.7481, 78.5650


11.0399


199.5484,  
-107.8863, 82.4281


 9.3289, -16.3256,  
6.5302


0.0000, NaN, NaN


 84.7213, -71.5654,  
48.5949


 84.7213, -71.5654,  
48.5949


 84.7214, -71.5652,  
48.5943


 84.9805, -70.1938,  
46.7127


 85.4526, -67.8266,  
44.2169


 86.1877, -64.2673,  
41.1125


 87.2128, -59.4367,  
37.4146

 88.5460, -53.3125,  
33.1559

 90.1979, -45.9202,  
28.3842

 92.1726, -37.3242,  
23.1587

 94.4689, -27.6178,  
17.5459

 97.0812, -16.9138,  
11.6147

# Harmonies

## Analogous

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



84.7214, -36.2416, 55.7848



84.7213, -71.5654, 48.5949



84.7214, -87.0041, 22.9125

# Triad

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



84.7214, -71.5651, 48.5942



84.7214, -25.3332, -172.6403



84.7214, 125.5910, 31.2341

# Complementary

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



84.7213, -71.5654, 48.5949



50.5213, 94.9586, -32.7773

# 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.



84.7214, 130.7641, -18.9803



84.7213, -71.5654, 48.5949



84.7214, 32.6754, -164.4028

# Square

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



84.7214, -71.5651, 48.5942



84.7214, -65.3944, -115.2356



84.7214, 93.2915, -97.0617



84.7214, 80.6026, 51.2665



# Rectangle

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



84.7213, -71.5654, 48.5949



84.7214, -87.6000, -11.9675



84.7214, 93.2915, -97.0617



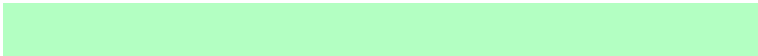
84.7214, 132.4100, 18.3970

# Sweetspot

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



84.7214, -71.5651, 48.5942



92.1723, -37.3252, 23.1593



91.8463, -42.8366, 55.8453



42.2397, -19.0105, 11.7575

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



84.7214, -71.5651, 48.5942



84.7214, -71.5652, 48.5943



86.4607, -60.7846, 23.1482



44.9777, -7.5693, 5.2345



61.2554, -51.6433, 34.9192



19.1530, -15.8699, 10.3189



# Inverse Universe

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



50.5213, 94.9586, -32.7773



50.5212, 94.9588, -32.7770



46.6786, 81.0710, 21.3809



42.6988, 3.1228, -0.5056



36.5504, 68.7506, -24.1101

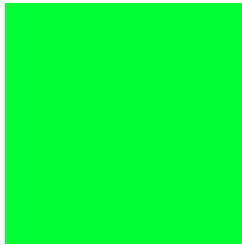


11.4727, 21.6923, -8.4383



# Previews

## White Background



This preview shows how the HunterLab color 84.7213, -71.5654, 48.5949 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 84.7213, -71.5654, 48.5949 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 84.7213, -71.5654, 48.5949 Background



This preview shows how black text looks on a background with the HunterLab color 84.7213, -71.5654, 48.5949.



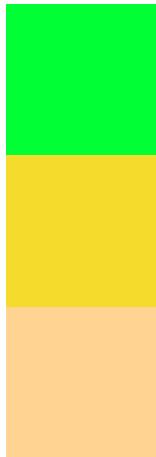
This preview shows how white text looks on a background with the HunterLab color 84.7213, -71.5654, 48.5949.

-71.5654, 48.5949.

# 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

84.7213, -71.5654, 48.5949

### Protanopia

83.8197, -11.5794, 49.7610

### Deuteranopia

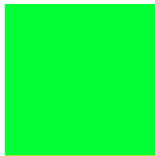
83.6205, 2.4971, 32.2886



## Tritanopia

84.5182, -30.8942, -14.8290

# Trichromacy



## Original Color

84.7213, -71.5654, 48.5949



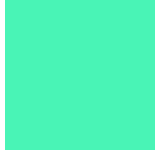
## Protanomaly

80.6141, -45.6847, 46.8963



## Deuteranomaly

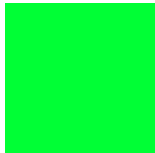
79.8683, -38.5405, 37.1601



## Tritanomaly

83.3638, -52.6541, 18.9709

# Monochromacy



## Original Color

84.7213, -71.5654, 48.5949



## Achromatopsia

57.6586, -3.0765, 3.1327



## Achromatomaly

64.5630, -37.4387, 23.1006

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 84.7213, -71.5654, 48.5949 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, 255, 53)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 53)  
}
```

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, 255, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 53) }
```

## Border

The CSS property to change the border of an element to HunterLab 84.7213, -71.5654, 48.5949 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, 255, 53) }
```



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

```
.border{ border-color:rgb(0, 255, 53) }
```

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

Here you see how a box with a 4 pixel rgb(0, 255, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 53);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 53)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 84.7213, -71.5654, 48.5949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 53) }
```

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

```
.background{ background-color: rgb(0, 255,  
53) }
```

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