

# Converting Colors

HunterLab(89.4726, -51.6592,  
49.9407)

Have a look what the booklet for  
HunterLab(89.4726, -51.6592,  
49.9407) contains.

<b>HunterLab(89.4504, -51.7473, 49.9188)</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(89.4504,  
-51.7473, 49.9188)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A5FF4A
RGB	165, 255, 74
RGB Percent	65%, 100%, 29%
CMY	0.3529, 0.0000, 0.7098
CMYK	0.35, 0.00, 0.71, 0.00
HSL	90°, 100%, 65%
HSV	90°, 71%, 100%
XYZ	52.5131, 80.0137, 19.1551
YIQ	207.4560, 4.4610, -75.3710

# Conversions

## Conversions Part 2

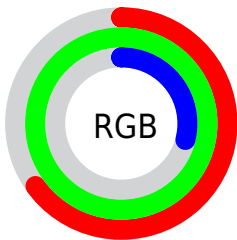
<b>Format</b>	<b>Color</b>
<b>RYB</b>	74, 255, 164
Decimal	10878794
CIELab	91.69, -53.91, 73.61
CIELCh	92, 91.235, 126.217
Yxy	80.0138, 0.3462, 0.5275
Android (android.graphics.Color)	4289068874 (0xFFA5FF4A)
YUV	207.4560, -65.7938, -37.2339
Hunter-Lab	89.4504, -51.7473, 49.9188

# Details

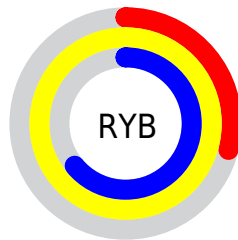
The HunterLab color **89.4504, -51.7473, 49.9188** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **44.7345, 64.6062, -96.6945**, and the grayscale version is **79.4592, -4.2397, 4.3172**.

A 20% lighter version of the original color is **94.4423, -31.1260, 43.9455**, and **65.9184, -44.5784, 39.8382** is the 20% darker color. If you saturate the color by 10%, you get **88.5686, -55.6105, 51.6931**, and if you desaturate by 10%, it is **90.4753, -47.2109, 47.1048**.

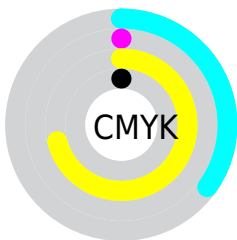
# Distribution



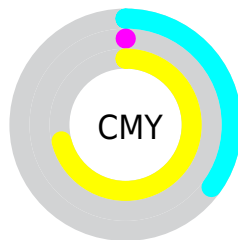
- Red (65%)
- Green (100%)
- Blue (29%)



- Red (29%)
- Yellow (100%)
- Blue (64%)



- Cyan (35%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)



- Cyan (35%)
- Magenta (0%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 89.4504, -51.7473, 49.9188 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 89.4504, -51.7473, 49.9188 by changing the saturation by 10% instead.



■ 89.4504, -51.7473,  
49.9188

■ 89.4504, -51.7473,  
49.9188

222.4813,  
-79.0821, 86.5120

■ 77.2850, -48.3135,  
45.1964

■ 115.4925,  
-58.2864, 58.8530

■ 65.7273, -44.7400,  
40.2754

■ 129.3218,  
-61.4258, 63.1059

■ 54.8112, -40.9941,  
35.1329

■ 143.6628,  
-64.4953, 67.2381

■ 44.5769, -37.0313,  
29.7543

■ 158.4979,  
-67.5046, 71.2633

■ 35.0732, -32.7886,  
24.5513

■ 173.8112,  
-70.4618, 75.1937

■ 26.3614, -28.1725,  
18.4530

189.5882,

■ 18.5213, -23.0376,

-73.3734, 79.0395

12.9649

205.8156,  
-76.2453, 82.8097

■ 11.6633, -20.4108,  
8.1643

■ 4.3268, -7.5719,  
3.0287

■ 89.4504, -51.7473,  
49.9188

■ 89.4504, -51.7473,  
49.9188

■ 88.5686, -55.6105,  
51.6931

■ 90.4753, -47.2109,  
47.1048

■ 87.8215, -58.8306,  
52.5377

■ 91.6485, -41.9918,  
43.1850

■ 87.2494, -61.2529,  
52.6904

■ 92.9734, -36.0945,  
38.1205

■ 94.4517, -29.5357,  
31.8979

■ 96.0835, -22.3412,  
24.5238

■ 97.8679, -14.5440,  
16.0216

■ 99.8029, -6.1821,  
6.4280

■ 100.0000, -5.3358,  
5.4332

# Harmonies

## Analogous

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



89.4504, -14.2637, 54.8865



89.4504, -51.7473, 49.9188



89.4504, -72.8185, 32.8442

# Triad

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



89.4504, -51.7471, 49.9181



89.4504, -38.0795, -113.3013



89.4504, 102.6945, 13.6059

# Complementary

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



89.4504, -51.7473, 49.9188



44.7345, 64.6062, -96.6945

# 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.



89.4504, 92.7187, -36.7108



89.4504, -51.7473, 49.9188



89.4504, 5.1210, -127.8222

# Square

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



89.4504, -51.7471, 49.9181



89.4504, -66.1295, -61.4415



89.4504, 54.4718, -94.6310



89.4504, 79.4702, 41.9756



# Rectangle

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



89.4504, -51.7473, 49.9188



89.4504, -77.7006, 10.3050



89.4504, 54.4718, -94.6310



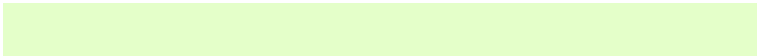
89.4504, 103.1683, -0.9311

# Sweetspot

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



89.4504, -51.7471, 49.9181



96.0797, -22.3579, 24.5415



68.8584, 22.8673, 37.2512



44.2354, -11.2913, 12.3485

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



89.4504, -51.7471, 49.9181



88.2524, -56.9806, 52.1370



85.7865, -66.7743, 47.2139



45.4057, -6.1748, 6.7897



63.1393, -43.9866, 38.1361



19.8659, -13.0521, 12.0128



# Inverse Universe

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



44.7345, 64.6062, -96.6945



38.3876, 75.1594, -121.1525



57.2807, 88.7211, -61.0770



42.2154, 1.6557, -2.3985



24.9217, 57.8165, -101.2388

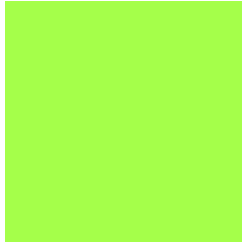


8.1830, 18.5024, -29.5081



# Previews

## White Background



This preview shows how the HunterLab color 89.4504, -51.7473, 49.9188 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

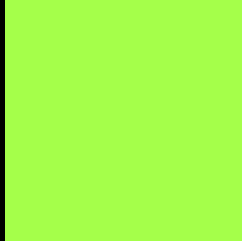
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 89.4504, -51.7473, 49.9188 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

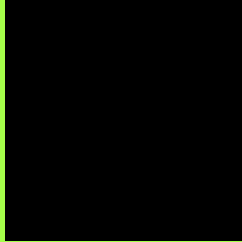
Any Text WCAG AA ✓ Pass

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 89.4504, -51.7473, 49.9188 Background



This preview shows how black text looks on a background with the HunterLab color 89.4504, -51.7473, 49.9188.



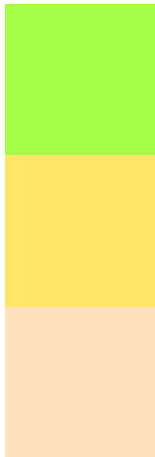
This preview shows how white text looks on a background with the HunterLab color 89.4504,

-51.7473, 49.9188.

# 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

89.4504, -51.7473, 49.9188

### Protanopia

88.7767, -10.7219, 46.1209

### Deuteranopia

88.7121, -0.0409, 23.2420



## Tritanopia

89.0268, -14.2783, -8.3989

# Trichromacy



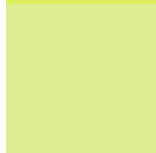
## Original Color

89.4504, -51.7473, 49.9188



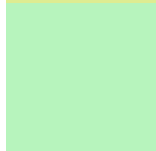
## Protanomaly

88.3376, -27.4460, 47.1569



## Deuteranomaly

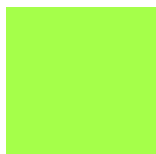
88.0885, -21.8167, 35.5941



## Tritanomaly

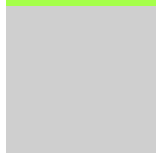
88.5679, -31.9245, 21.7871

# Monochromacy



## Original Color

89.4504, -51.7473, 49.9188



## Achromatopsia

78.9912, -4.2148, 4.2917



## Achromatomaly

81.8663, -24.1040, 26.2683

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 89.4504, -51.7473, 49.9188 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(165, 255, 74)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 74)  
}
```

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(165, 255, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 74) }
```

## Border

The CSS property to change the border of an element to HunterLab 89.4504, -51.7473, 49.9188 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(165, 255, 74) }
```



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

```
.border{ border-color:rgb(165, 255, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 255, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 74);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
74) }
```

# Background

The CSS property to change the background color of an element to HunterLab 89.4504, -51.7473, 49.9188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 74) }
```

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

```
.background{ background-color: rgb(165,  
255, 74) }
```

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