

# Converting Colors

HunterLab(77.0870, -52.9848,  
46.5730)

Have a look what the booklet for  
HunterLab(77.0870, -52.9848,  
46.5730) contains.

|  |    |
|--|----|
| <b>HunterLab(77.0771, -53.0164, 46.5664)</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(77.0771,  
-53.0164, 46.5664)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 77E400                     |
| RGB           | 119, 228, 0                |
| RGB Percent   | 47%, 89%, 0%               |
| CMY           | 0.5333, 0.1059, 0.9999     |
| CMYK          | 0.48, 0.00, 1.00, 0.11     |
| HSL           | 89°, 100%, 45%             |
| HSV           | 89°, 100%, 89%             |
| XYZ           | 35.3512, 59.4088, 9.6039   |
| YIQ           | 169.4170, 8.2240, -94.0160 |

# Conversions

## Conversions Part 2

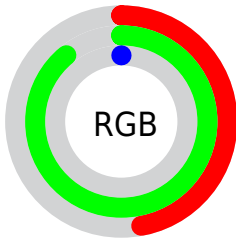
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 0, 228, 109                     |
| Decimal                             | 7857152                         |
| CIELab                              | 81.52, -60.75, 79.10            |
| CIELCh                              | 82, 99.738, 127.525             |
| Yxy                                 | 59.4114, 0.3387,<br>0.5692      |
| Android<br>(android.graphics.Color) | 4286047232<br>(0xFF77E400)      |
| YUV                                 | 169.4170, -83.5226,<br>-44.2157 |
| Hunter-Lab                          | 77.0771, -53.0164,<br>46.5664   |

# Details

The HunterLab color **77.0771, -53.0164, 46.5664** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **29.7588, 69.7801, -126.6842**, and the grayscale version is **63.4952, -3.3879, 3.4498**.

A 20% lighter version of the original color is **90.5140, -47.2855, 48.8989**, and **54.9626, -43.8394, 33.1002** is the 20% darker color. If you saturate the color by 10%, you get **77.0780, -53.0210, 46.5669**, and if you desaturate by 10%, it is **77.6457, -50.6172, 46.3466**.

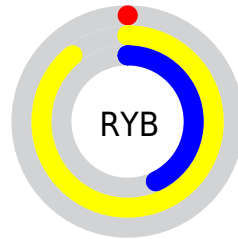
# Distribution



Red (47%)

Green (89%)

Blue (0%)



Red (0%)

Yellow (89%)

Blue (43%)

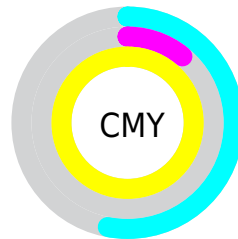


Cyan (48%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (53%)

Magenta (11%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the HunterLab color 77.0771, -53.0164, 46.5664 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 77.0771, -53.0164, 46.5664 by changing the saturation by 10% instead.





 77.0771, -53.0164,  
46.5664


 77.0771, -53.0164,  
46.5664


205.5297,  
-83.8431, 86.6919

 65.5319, -49.0293,  
41.3162


 101.9683,  
-60.5243, 56.4656

 54.6273, -44.8366,  
35.8414


 115.2567,  
-64.0926, 61.1549


 44.4053, -40.3884,  
30.1762


 129.0769,  
-67.5623, 65.6962

 34.9148, -35.6120,  
24.4404

 143.4092,  
-70.9475, 70.1058

 26.2174, -30.4012,  
18.3522

 158.2359,  
-74.2595, 74.3984

 18.3932, -24.6082,  
12.8753

 173.5410,

 11.5536, -20.2189,

-77.5077, 78.5866

8.0875

189.3100,  
-80.7000, 82.6812

■ 4.0983, -7.1720,  
2.8688

0.0000, NaN, NaN

■ 77.0771, -53.0164,  
46.5664

■ 77.0771, -53.0164,  
46.5664

■ 77.0780, -53.0210,  
46.5669

■ 77.6457, -50.6172,  
46.3466

■ 78.3130, -47.7402,  
45.4921

■ 79.0943, -44.3173,  
43.8101

■ 79.9962, -40.3251,  
41.2126

■ 81.0231, -35.7558,  
37.6434

■ 82.1779, -30.6134,  
33.0714

■ 83.4617, -24.9117,  
27.4858

■ 84.8749, -18.6719,  
20.8925

■ 86.4166, -11.9208,  
13.3114

# Harmonies

## Analogous

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



77.0788, -15.9326, 50.4778



77.0771, -53.0164, 46.5664



77.0788, -72.6537, 30.9516

# Triad

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



77.0788, -53.0179, 46.5667



77.0788, -36.5730, -130.6814



77.0788, 111.5833, 14.9146

# Complementary

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



77.0771, -53.0164, 46.5664



29.7588, 69.7801, -126.6842

# 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.



77.0788, 102.1412, -37.9141



77.0771, -53.0164, 46.5664



77.0788, 8.4565, -145.3465

# Square

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



77.0788, -53.0179, 46.5667



77.0788, -64.9232, -71.5796



77.0788, 61.1744, -104.2584



77.0788, 84.4766, 40.9919



# Rectangle

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



77.0771, -53.0164, 46.5664



77.0788, -76.8143, 7.9228



77.0788, 61.1744, -104.2584



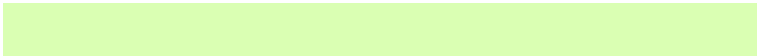
77.0788, 112.6755, 0.2725

# Sweetspot

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



77.0788, -53.0179, 46.5667



94.7233, -28.4169, 31.3417



51.8550, 37.2859, 32.6045



43.5295, -14.4502, 15.8052

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



77.0788, -53.0179, 46.5667



87.4714, -60.3382, 52.8431



74.5243, -63.7344, 44.8050



40.5676, -5.4173, 6.0427



58.6303, -40.0400, 35.4268



16.1104, -10.1808, 9.7489



# Inverse Universe

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



29.7588, 69.7801, -126.6842



33.6932, 79.1286, -144.3349



45.6961, 90.5104, -65.4959



37.7140, 1.3755, -2.1171



22.7644, 53.1927, -95.4289

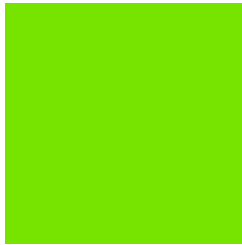


6.6179, 14.9449, -23.7199



# Previews

## White Background



This preview shows how the HunterLab color 77.0771, -53.0164, 46.5664 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

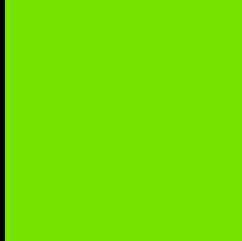
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 77.0771, -53.0164, 46.5664 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

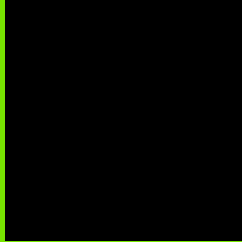
Any Text WCAG AA ✓ Pass

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 77.0771, -53.0164, 46.5664 Background



This preview shows how black text looks on a background with the HunterLab color 77.0771, -53.0164, 46.5664.



This preview shows how white text looks on a background with the HunterLab color 77.0771, -53.0164, 46.5664.

-53.0164, 46.5664.

# 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

77.0771, -53.0164, 46.5664

### Protanopia

76.5323, -10.7857, 46.9700

### Deuteranopia

76.3816, 5.6891, 45.1592



## Tritanopia

76.8375, -18.5458, -10.1776

# Trichromacy



## Original Color

77.0771, -53.0164, 46.5664



## Protanomaly

75.6835, -28.5933, 46.1352



## Deuteranomaly

74.9078, -19.7666, 44.8918



## Tritanomaly

75.8528, -37.2567, 24.8317

# Monochromacy



## Original Color

77.0771, -53.0164, 46.5664



## Achromatopsia

62.9885, -3.3609, 3.4223



## Achromatomaly

66.7000, -26.0494, 28.0330

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 77.0771, -53.0164, 46.5664 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(119, 228, 0)` looks like.

```
.text, #text, p{  
    color:rgb(119, 228, 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(119, 228, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 228, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 77.0771, -53.0164, 46.5664 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(119, 228, 0) }
```



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

```
.border{ border-color:rgb(119, 228, 0) }
```

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

Here you see how a box with a 4 pixel rgb(119, 228, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 228, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 228, 0);  
box-shadow:4px 4px 4px 4px rgb(119, 228,  
0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 77.0771, -53.0164, 46.5664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 228, 0) }
```

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

```
.background{ background-color: rgb(119,  
228, 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](#).

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