

# Converting Colors

HunterLab(51.2429, -30.7396,  
31.0375)

Have a look what the booklet for  
HunterLab(51.2429, -30.7396,  
31.0375) contains.

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# Color

**HunterLab(51.4097,  
-30.8229, 31.1388)**

# Conversions

## Conversions Part 1

Format	Color
Hex	639C00
RGB	99, 156, 0
RGB Percent	39%, 61%, 0%
CMY	0.6118, 0.3882, 0.9999
CMYK	0.37, 0.00, 1.00, 0.39
HSL	82°, 100%, 31%
HSV	82°, 100%, 61%
XYZ	17.0341, 26.4296, 4.2036
YIQ	121.1730, 16.1040, -60.6000

# Conversions

## Conversions Part 2

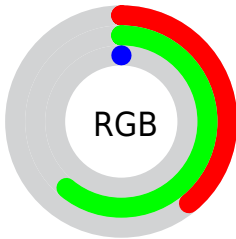
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 156, 57
Decimal	6528000
CIELab	58.44, -38.97, 60.75
CIELCh	58, 72.179, 122.681
Yxy	26.4307, 0.3573, 0.5545
Android (android.graphics.Color)	4284718080 (0xFF639C00)
YUV	121.1730, -59.7383, -19.4457
Hunter-Lab	51.4097, -30.8229, 31.1388

# Details

The HunterLab color  $51.4097, -30.8229, 31.1388$  is a dark color, and the websafe version is hex  $669900$ . A complement of this color would be  $18.0861, 44.2406, -91.1936$ , and the grayscale version is  $44.0157, -2.3486, 2.3915$ .

A 20% lighter version of the original color is  $73.5017, -36.3892, 39.7089$ , and  $32.2711, -23.5823, 19.4724$  is the 20% darker color. If you saturate the color by 10%, you get  $51.4105, -30.8253, 31.1393$ , and if you desaturate by 10%, it is  $51.7682, -29.3214, 30.8418$ .

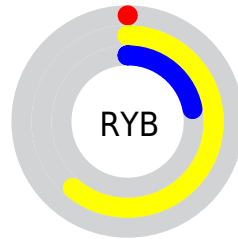
# Distribution



Red (39%)

Green (61%)

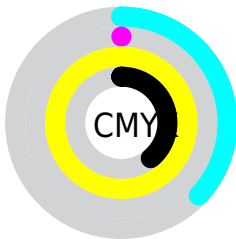
Blue (0%)



Red (0%)

Yellow (61%)

Blue (22%)

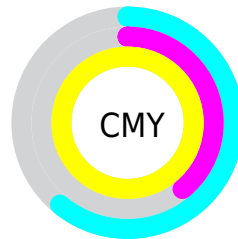


Cyan (37%)

Magenta (0%)

Yellow (100%)

Black (39%)



Cyan (61%)

Magenta (39%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 51.4097, -30.8229, 31.1388 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 51.4097, -30.8229, 31.1388 by changing the saturation by 10% instead.



■ 51.4097, -30.8229,  
31.1388

■ 51.4097, -30.8229,  
31.1388

168.7869,  
-53.7019, 65.2954

■ 41.4079, -27.8273,  
26.4969

■ 73.4636, -36.4036,  
39.7398

■ 32.1539, -24.6329,  
21.7949

■ 85.4351, -39.0434,  
43.7578

■ 23.7153, -21.1664,  
16.6007

■ 97.9943, -41.6088,  
47.6229

■ 16.1799, -17.3041,  
11.3260

■ 111.1149,  
-44.1132, 51.3566

■ 9.6730, -16.9278,  
6.7711

■ 124.7738,  
-46.5671, 54.9768

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 138.9507,

-48.9789, 58.4986

0.0000, NaN, NaN

153.6272,  
-51.3553, 61.9346

0.0000, NaN, NaN

51.4097, -30.8229,  
31.1388

51.4097, -30.8229,  
31.1388

51.4105, -30.8253,  
31.1393

51.7682, -29.3214,  
30.8418

52.1718, -27.5955,  
30.1748

52.6325, -25.5857,  
28.9766

53.1542, -23.2771,  
27.1955

53.7393, -20.6620,  
24.7969

■ 54.3899, -17.7387,  
21.7589

■ 55.1069, -14.5100,  
18.0707

■ 55.8911, -10.9825,  
13.7308

■ 56.7425, -7.1661,  
8.7455

# Harmonies

## Analogous

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



51.4108, -5.4700, 33.1938



51.4097, -30.8229, 31.1388



51.4108, -45.2861, 22.4342

# Triad

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



51.4108, -30.8241, 31.1390



51.4108, -27.0669, -75.9433



51.4108, 70.2508, 5.3489

# Complementary

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



51.4097, -30.8229, 31.1388



18.0861, 44.2406, -91.1936

# 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.



51.4108, 60.6970, -30.1021



51.4097, -30.8229, 31.1388



51.4108, 0.0361, -90.4343

# Square

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



51.4108, -30.8241, 31.1390



51.4108, -43.5003, -37.5445



51.4108, 33.0527, -70.1567



51.4108, 56.7684, 24.7807



# Rectangle

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



51.4097, -30.8229, 31.1388



51.4108, -49.0701, 9.4329



51.4108, 33.0527, -70.1567



51.4108, 69.6289, -4.8582

# Sweetspot

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



51.4108, -30.8241, 31.1390



74.2049, -19.8282, 24.6776



31.2470, 31.3416, 19.8022



34.6278, -10.1155, 12.5246



88.7363, -4.7347, 4.8212



36.4511, -1.9449, 1.9805



# Same Dimension

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



51.4108, -30.8241, 31.1390



69.2014, -41.8755, 41.9085



48.9542, -40.9960, 29.4472



27.5664, -3.3360, 4.0539



46.6793, -27.8891, 28.2754



6.4252, -3.0036, 3.9066



# Inverse Universe

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



18.0861, 44.2406, -91.1936



24.1606, 59.4196, -124.2610



27.1204, 55.2924, -51.0846



25.5878, 0.5806, -1.3849



16.4683, 40.2077, -82.4207



2.6727, 5.8997, -8.5261



# Previews

## White Background



This preview shows how the HunterLab color 51.4097, -30.8229, 31.1388 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 51.4097, -30.8229, 31.1388 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

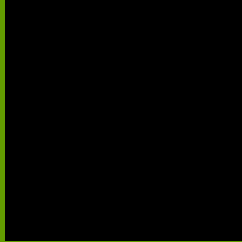
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

## HunterLab 51.4097, -30.8229, 31.1388 Background



This preview shows how black text looks on a background with the HunterLab color 51.4097, -30.8229, 31.1388.



This preview shows how white text looks on a background with the HunterLab color 51.4097,

-30.8229, 31.1388.

# 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

51.4097, -30.8229, 31.1388

### Protanopia

51.0150, -7.1251, 31.3104

### Deuteranopia

51.0871, 3.2816, 30.1116



## Tritanopia

51.3791, -8.5703, -5.3002

# Trichromacy



## Original Color

51.4097, -30.8229, 31.1388

## Protanomaly

50.8686, -16.7499, 31.0518

## Deuteranomaly

50.3911, -10.7672, 30.1374

## Tritanomaly

50.7247, -20.2250, 16.8098

# Monochromacy



## Original Color

51.4097, -30.8229, 31.1388

## Achromatopsia

43.7266, -2.3331, 2.3758

## Achromatomaly

45.9312, -15.5775, 18.9666

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 51.4097, -30.8229, 31.1388 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(99, 156, 0)` looks like.

```
.text, #text, p{  
    color:rgb(99, 156, 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(99, 156, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 156, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 51.4097, -30.8229, 31.1388 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(99, 156, 0) }
```



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

```
.border{ border-color:rgb(99, 156, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 156, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 156, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 156, 0);  
box-shadow:4px 4px 4px 4px rgb(99, 156, 0)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 51.4097, -30.8229, 31.1388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 156, 0) }
```

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

```
.background{ background-color: rgb(99, 156,  
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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