

# Converting Colors

HunterLab(49.3267, -21.9935,  
16.2775)

Have a look what the booklet for  
HunterLab(49.3267, -21.9935,  
16.2775) contains.

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# Color

**HunterLab(49.4367,  
-22.0746, 16.5128)**

# Conversions

Conversions Part 1	
Format	Color
Hex	649361
RGB	100, 147, 97
RGB Percent	39%, 58%, 38%
CMY	0.6078, 0.4235, 0.6196
CMYK	0.32, 0.00, 0.34, 0.42
HSL	116°, 20%, 48%
HSV	116°, 34%, 58%
XYZ	17.8470, 24.4399, 15.0861
YIQ	127.2470, -11.9620, -25.5140

# Conversions

## Conversions Part 2

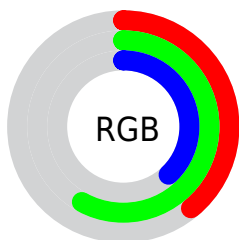
Format	Color
<a href="#">RYB</a>	<a href="#">97, 147, 144</a>
Decimal	<a href="#">6591329</a>
CIELab	<a href="#">56.53, -26.30, 21.55</a>
CIELCh	<a href="#">57, 34.000, 140.659</a>
Yxy	<a href="#">24.4409, 0.3111, 0.4260</a>
Android (android.graphics.Color)	<a href="#">4284781409</a> (0xFF649361)
YUV	<a href="#">127.2470, -14.9118, -23.8956</a>
Hunter-Lab	<a href="#">49.4367, -22.0746, 16.5128</a>

# Details

The HunterLab color  $49.4367, -22.0746, 16.5128$  is a dark color, and the websafe version is hex  $669966$ . A complement of this color would be  $40.7260, 20.9639, -14.7260$ , and the grayscale version is  $46.2263, -2.4665, 2.5116$ .

A 20% lighter version of the original color is  $71.1244, -26.1361, 20.0137$ , and  $30.4535, -17.6915, 12.5806$  is the 20% darker color. If you saturate the color by 10%, you get  $48.4452, -26.4770, 19.5447$ , and if you desaturate by 10%, it is  $50.5935, -17.0649, 13.0142$ .

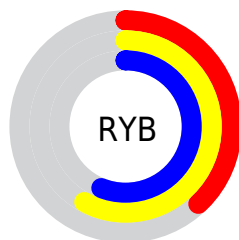
# Distribution



Red (39%)

Green (58%)

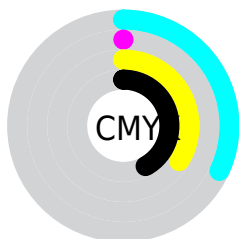
Blue (38%)



Red (38%)

Yellow (58%)

Blue (56%)

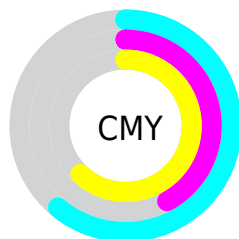


Cyan (32%)

Magenta (0%)

Yellow (34%)

Black (42%)



Cyan (61%)

Magenta (42%)


Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the HunterLab color 49.4367, -22.0746, 16.5128 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 49.4367, -22.0746, 16.5128 by changing the saturation by 10% instead.





 49.4367, -22.0746,  
16.5128


 49.4367, -22.0746,  
16.5128


165.8439,  
-39.3675, 31.8810


 39.5740, -19.9108,  
14.6181


 71.2382, -26.1696,  
20.1132


 30.4706, -17.6287,  
12.6260


 83.0936, -28.1354,  
21.8498

 22.1975, -15.1790,  
10.4947

 95.5423, -30.0632,  
23.5581

 14.8481, -12.4750,  
8.4561

 108.5571,  
-31.9613, 25.2456

 8.5002, -13.9339,  
5.9501

122.1146,  
-33.8362, 26.9177

0.0000, NaN, NaN

0.0000, NaN, NaN


136.1936,


-35.6930, 28.5787


0.0000, NaN, NaN


150.7757,  
-37.5356, 30.2322


0.0000, NaN, NaN


 49.4367, -22.0746,  
16.5128


 49.4367, -22.0746,  
16.5128


 48.4452, -26.4770,  
19.5447


 50.5935, -17.0649,  
13.0142

 47.6158, -30.2261,  
22.0810


 51.9099, -11.4993,  
9.0846


 46.9473, -33.2954,  
24.1073


 53.3830, -5.4394,  
4.7669


 46.4342, -35.6779,  
25.6248


 55.0072, 1.0519,  
0.1064


 46.0676, -37.3907,  
26.6546


 56.7761, 7.9128,  
-4.8517


 45.8342, -38.4798,  
27.2423

 58.6825, 15.0848,  
-10.0641

 45.7442, -38.9060,  
27.5063

 60.7191, 22.5148,  
-15.4910

 62.8784, 30.1558,  
-21.0967

 65.1528, 37.9668,  
-26.8499

# Harmonies

## Analogous

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



49.4377, -11.9301, 21.3786



49.4367, -22.0746, 16.5128



49.4377, -26.8503, 6.7327

# Triad

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



49.4377, -22.0755, 16.5133



49.4377, -7.0044, -30.5058



49.4377, 25.6610, 11.0230

# Complementary

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



49.4367, -22.0746, 16.5128



40.7260, 20.9639, -14.7260

# 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.



49.4377, 27.3654, -1.7235



49.4367, -22.0746, 16.5128



49.4377, 7.3901, -28.3914

# Square

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



49.4377, -22.0755, 16.5133



49.4377, -18.8207, -21.9737



49.4377, 20.3551, -16.8205



49.4377, 15.9319, 18.8880



# Rectangle

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



49.4367, -22.0746, 16.5128



49.4377, -26.7631, -2.3706



49.4377, 20.3551, -16.8205



49.4377, 27.2313, 7.2683

# Sweetspot

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



49.4377, -22.0755, 16.5133



70.1922, -12.3737, 10.0146



51.8778, -7.8143, 18.9045



33.4187, -6.4000, 5.1320



86.5109, -4.6160, 4.7003



34.5370, -1.8428, 1.8765



# Same Dimension

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



49.4377, -22.0755, 16.5133



65.0990, -34.2254, 25.3295



49.7332, -20.0089, 9.6126



25.4638, -4.1851, 3.4155



42.5961, -36.2046, 25.6137



4.7473, -3.8571, 2.8578



# Inverse Universe

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



40.7260, 20.9639, -14.7260



51.0435, 35.5223, -25.3465



40.3018, 18.1919, -3.5569



24.2728, 1.6560, -0.8176



25.5500, 50.9029, -38.8981

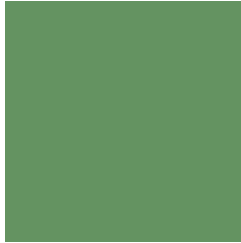


2.9022, 5.7402, -4.0951



# Previews

## White Background



This preview shows how the HunterLab color 49.4367, -22.0746, 16.5128 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 49.4367, -22.0746, 16.5128 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

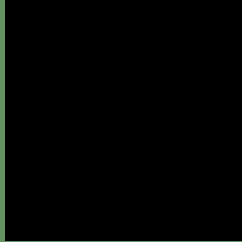
Any Text WCAG AA ✓ Pass

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 49.4367, -22.0746, 16.5128 Background



This preview shows how black text looks on a background with the HunterLab color 49.4367, -22.0746, 16.5128.



This preview shows how white text looks on a background with the HunterLab color 49.4367,

-22.0746, 16.5128.

# 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

49.4367, -22.0746, 16.5128

### Protanopia

49.2053, -4.6692, 18.0380

### Deuteranopia

49.0010, 3.4864, 15.3581



## Tritanopia

49.3006, -8.8146, -4.9860

# Trichromacy



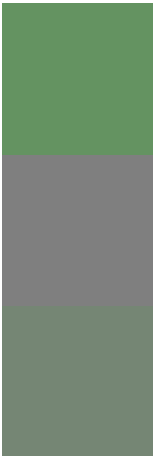
**Original Color**  
49.4367, -22.0746, 16.5128

**Protanomaly**  
48.9290, -11.5458, 17.1156

**Deuteranomaly**  
48.9200, -6.8481, 15.4121

**Tritanomaly**  
49.3435, -14.4965, 4.3503

# Monochromacy



**Original Color**  
49.4367, -22.0746, 16.5128

**Achromatopsia**  
46.0685, -2.4581, 2.5030

**Achromatomaly**  
47.0033, -10.0495, 7.9451

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 49.4367, -22.0746, 16.5128 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(100, 147, 97)` looks like.

```
.text, #text, p{  
    color:rgb(100, 147, 97)  
}
```

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(100, 147, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 147, 97) }
```

## Border

The CSS property to change the border of an element to HunterLab 49.4367, -22.0746, 16.5128 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(100, 147, 97) }
```



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

```
.border{ border-color:rgb(100, 147, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 147, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 147, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 147, 97);  
box-shadow:4px 4px 4px 4px rgb(100, 147,  
97) }
```

# Background

The CSS property to change the background color of an element to HunterLab 49.4367, -22.0746, 16.5128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 147, 97) }
```

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

```
.background{ background-color: rgb(100,  
147, 97) }
```

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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