

# Converting Colors

HunterLab(68.1286, -40.4069,  
24.7626)

Have a look what the booklet for  
HunterLab(68.1286, -40.4069,  
24.7626) contains.

<b>HunterLab(68.1638, -40.3973, 24.7086)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**HunterLab(68.1638,  
-40.3973, 24.7086)**

# Conversions

## Conversions Part 1

Format	Color
Hex	65CA7C
RGB	101, 202, 124
RGB Percent	40%, 79%, 49%
CMY	0.6039, 0.2078, 0.5137
CMYK	0.50, 0.00, 0.39, 0.21
HSL	134°, 49%, 59%
HSV	134°, 50%, 79%
XYZ	30.1255, 46.4630, 26.4493
YIQ	162.9090, -35.1580, -45.6700

# Conversions

## Conversions Part 2

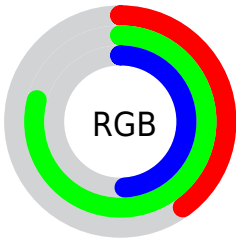
<b>Format</b>	<b>Color</b>
<b>RYB</b>	101, 183, 202
Decimal	6670972
CIELab	73.85, -46.36, 30.12
CIELCh	74, 55.280, 146.991
Yxy	46.4650, 0.2924, 0.4509
Android (android.graphics.Color)	4284861052 (0xFF65CA7C)
YUV	162.9090, -19.1821, -54.2942
Hunter-Lab	68.1638, -40.3973, 24.7086

# Details

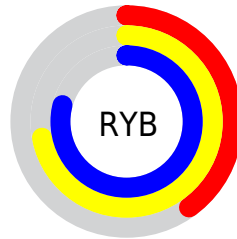
The HunterLab color  $68.1638, -40.3973, 24.7086$  is a dark color, and the websafe version is hex  $66CC66$ . A complement of this color would be  $50.1194, 44.5970, -18.7891$ , and the grayscale version is  $60.5693, -3.2318, 3.2908$ .

A 20% lighter version of the original color is  $90.5337, -44.4801, 27.7674$ , and  $46.7044, -33.7874, 19.9631$  is the 20% darker color. If you saturate the color by 10%, you get  $67.1377, -45.1049, 27.9520$ , and if you desaturate by 10%, it is  $69.4292, -34.7587, 21.1168$ .

# Distribution



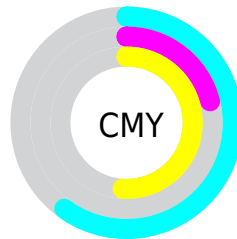
- Red (40%)
- Green (79%)
- Blue (49%)



- Red (40%)
- Yellow (72%)
- Blue (79%)



- Cyan (50%)
- Magenta (0%)
- Yellow (39%)
- Black (21%)



- Cyan (60%)
- Magenta (21%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 68.1638, -40.3973, 24.7086 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 68.1638, -40.3973, 24.7086 by changing the saturation by 10% instead.



■ 68.1638, -40.3973,  
24.7086

■ 68.1638, -40.3973,  
24.7086

193.0479,  
-65.6253, 43.4068

■ 57.1077, -37.1646,  
22.3963

■ 92.1490, -46.4933,  
29.1207

■ 46.7226, -33.7641,  
19.9848

■ 105.0146,  
-49.3989, 31.2476

■ 37.0568, -30.1479,  
17.4447

■ 118.4287,  
-52.2309, 33.3356

■ 28.1684, -26.2440,  
14.7334

■ 132.3699,  
-55.0009, 35.3920

■ 20.1323, -21.9393,  
11.8280

146.8188,  
-57.7184, 37.4229

■ 13.0511, -18.3906,  
9.1358

161.7583,

■ 6.5253, -11.4194,

-60.3909, 39.4331

4.5677

177.1727,  
-63.0248, 41.4267

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 68.1638, -40.3973,  
24.7086

■ 68.1638, -40.3973,  
24.7086

■ 67.1377, -45.1049,  
27.9520

■ 69.4292, -34.7587,  
21.1168

■ 66.3394, -48.8574,  
30.8083

■ 70.9326, -28.2344,  
17.2189

■ 65.7577, -51.6681,  
33.2507

■ 72.6743, -20.8942,  
13.0636

■ 65.3737, -53.5895,  
35.2633

■ 74.6501, -12.8201,  
8.7000


■ 65.1461, -54.7817,


■ 76.8533, -4.1010,


36.8311

4.1757

 79.2754, 5.1732,  
-0.4651

 81.9064, 14.9158,  
-5.1832

 83.8631, 22.3033,  
-11.1821

 84.0969, 23.5079,  
-14.4687

# Harmonies

## Analogous

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



68.1652, -24.6928, 33.7560



68.1638, -40.3973, 24.7086



68.1652, -46.3821, 6.1374

# Triad

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



68.1652, -40.3983, 24.7092



68.1652, -6.2210, -62.0934



68.1652, 46.3406, 21.8159

# Complementary

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



68.1638, -40.3973, 24.7086



50.1194, 44.5970, -18.7891

# 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.



68.1652, 53.2003, 1.1908



68.1638, -40.3973, 24.7086



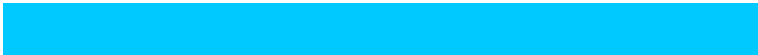
68.1652, 20.3235, -53.0336

# Square

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



68.1652, -40.3983, 24.7092



68.1652, -28.5766, -48.7985



68.1652, 43.0594, -27.2672



68.1652, 25.4911, 32.5738

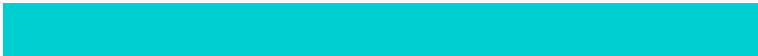


# Rectangle

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



68.1638, -40.3973, 24.7086



68.1652, -44.8321, -11.5421



68.1652, 43.0594, -27.2672



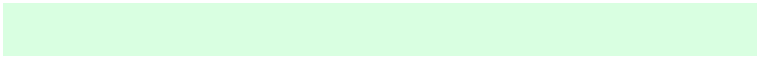
68.1652, 50.4819, 16.0916

# Sweetspot

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



68.1652, -40.3983, 24.7092



95.7574, -22.2616, 14.3053



72.7325, -23.4183, 34.3708



44.0514, -11.3269, 7.1768

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



68.1652, -40.3983, 24.7092



87.2619, -59.1369, 36.6949



69.3122, -33.5590, 8.1358



35.4657, -5.8411, 3.9998



52.2685, -43.8756, 29.3837



11.9221, -9.6516, 5.9334



# Inverse Universe

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



50.1194, 44.5970, -18.7891



59.9487, 70.5584, -28.8992



48.4419, 36.8837, 4.8108



33.7021, 2.3218, -0.2588



31.0461, 58.1876, -18.8544



7.1291, 13.4908, -5.3316



# Previews

## White Background



This preview shows how the HunterLab color 68.1638, -40.3973, 24.7086 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 68.1638, -40.3973, 24.7086 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

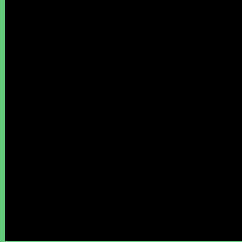
Any Text WCAG AA ✓ Pass

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 68.1638, -40.3973, 24.7086 Background



This preview shows how black text looks on a background with the HunterLab color 68.1638, -40.3973, 24.7086.



This preview shows how white text looks on a background with the HunterLab color 68.1638,

-40.3973, 24.7086.

# 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

68.1638, -40.3973, 24.7086

### Protanopia

67.5397, -6.7154, 27.2616

### Deuteranopia

67.6919, 4.8740, 22.9892



## Tritanopia

68.0215, -19.3262, -9.8778

# Trichromacy



## Original Color

68.1638, -40.3973, 24.7086



## Protanomaly

66.9713, -21.3783, 25.7194



## Deuteranomaly

66.8758, -14.8842, 22.8424



## Tritanomaly

67.9938, -28.1161, 5.1348

# Monochromacy



## Original Color

68.1638, -40.3973, 24.7086



## Achromatopsia

60.5188, -3.2291, 3.2881



## Achromatomaly

62.6016, -18.4171, 11.3228

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 68.1638, -40.3973, 24.7086 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(101, 202, 124)` looks like.

```
.text, #text, p{  
    color:rgb(101, 202, 124)  
}
```

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(101, 202, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 202, 124) }
```

## Border

The CSS property to change the border of an element to HunterLab 68.1638, -40.3973, 24.7086 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(101, 202, 124) }
```



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

```
.border{ border-color:rgb(101, 202, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 202, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 202, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 202, 124);  
box-shadow:4px 4px 4px 4px rgb(101, 202,  
124) }
```

# Background

The CSS property to change the background color of an element to HunterLab 68.1638, -40.3973, 24.7086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 202, 124) }
```

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

```
.background{ background-color: rgb(101,  
202, 124) }
```

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