

# Converting Colors

HunterLab(68.3403, -39.9053,  
12.9587)

Have a look what the booklet for  
HunterLab(68.3403, -39.9053,  
12.9587) contains.

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# Color

**HunterLab(68.3454,  
-39.9058, 12.9605)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4BCB9F
RGB	75, 203, 159
RGB Percent	29%, 80%, 62%
CMY	0.7059, 0.2039, 0.3765
CMYK	0.63, 0.00, 0.22, 0.20
HSL	159°, 55%, 55%
HSV	159°, 63%, 80%
XYZ	30.5156, 46.7109, 40.2087
YIQ	159.7120, -62.1640, -40.8200

# Conversions

## Conversions Part 2

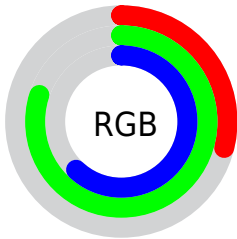
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">75, 152, 203</a>
Decimal	<a href="#">4967327</a>
CIELab	<a href="#">74.01, -45.58, 11.69</a>
CIELCh	<a href="#">74, 47.055, 165.612</a>
Yxy	<a href="#">46.7128, 0.2599, 0.3978</a>
Android (android.graphics.Color)	<a href="#">4283157407 (0xFF4BCB9F)</a>
YUV	<a href="#">159.7120, -0.3510, -74.2924</a>
Hunter-Lab	<a href="#">68.3454, -39.9058, 12.9605</a>

# Details

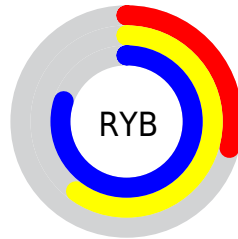
The HunterLab color **68.3454, -39.9058, 12.9605** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **43.6597, 48.1946, 4.0434**, and the grayscale version is **59.1935, -3.1584, 3.2161**.

A 20% lighter version of the original color is **90.3379, -43.3875, 13.1526**, and **47.1832, -32.2675, 10.6814** is the 20% darker color. If you saturate the color by 10%, you get **67.6647, -43.0045, 14.9039**, and if you desaturate by 10%, it is **69.2208, -36.0678, 11.1295**.

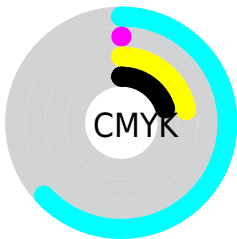
# Distribution



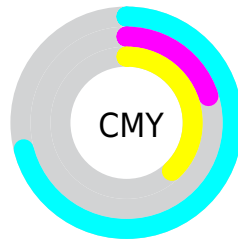
- Red (29%)
- Green (80%)
- Blue (62%)



- Red (29%)
- Yellow (60%)
- Blue (80%)



- Cyan (63%)
- Magenta (0%)
- Yellow (22%)
- Black (20%)



- Cyan (71%)
- Magenta (20%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 68.3454, -39.9058, 12.9605 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 68.3454, -39.9058, 12.9605 by changing the saturation by 10% instead.



■ 68.3454, -39.9058,  
12.9605

■ 68.3454, -39.9058,  
12.9605

193.3047,  
-64.7931, 24.1018

■ 57.2788, -36.7232,  
11.7465

■ 92.3497, -45.9111,  
15.3871

■ 46.8827, -33.3776,  
10.5233

■ 105.2242,  
-48.7756, 16.6054

■ 37.2050, -29.8223,  
9.2830

■ 118.6469,  
-51.5687, 17.8304

■ 28.3036, -25.9871,  
8.0120

■ 132.5963,  
-54.3018, 19.0638

■ 20.2533, -21.7616,  
6.6882

147.0532,  
-56.9839, 20.3068

■ 13.1558, -18.1238,  
5.2847

162.0004,

■ 6.6592, -11.6537,

-59.6226, 21.5603

4.6615

177.4223,  
-62.2239, 22.8251

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 68.3454, -39.9058,  
12.9605

■ 68.3454, -39.9058,  
12.9605

■ 67.6647, -43.0045,  
14.9039

■ 69.2208, -36.0678,  
11.1295

■ 67.1611, -45.3888,  
16.9252

■ 70.2958, -31.4881,  
9.4369

■ 66.8166, -47.1184,  
18.9886


■ 71.5769, -26.1888,  
7.9068

■ 66.6431, -48.0424,  
20.4118

■ 73.0659, -20.2083,  
6.5576


■ 74.7616, -13.5984,

5.4023

 76.6608, -6.4190,  
4.4490

 78.7580, 1.2658,  
3.7009

 81.0467, 9.3911,  
3.1572

 83.2089, 16.8964,  
2.4226

# Harmonies

## Analogous

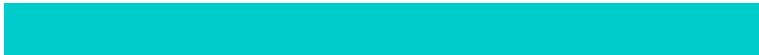
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.3468, -31.2644, 26.2624



68.3454, -39.9058, 12.9605



68.3468, -39.7246, -7.9868

# Triad

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



68.3468, -39.9064, 12.9612



68.3468, 8.0792, -47.3237



68.3468, 28.4389, 26.6366

# Complementary

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



68.3454, -39.9058, 12.9605



43.6597, 48.1946, 4.0434

# 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.



68.3468, 41.9175, 13.6645



68.3454, -39.9058, 12.9605



68.3468, 29.1903, -30.7323

# Square

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



68.3468, -39.9064, 12.9612



68.3468, -13.8220, -47.6946



68.3468, 42.2086, -7.0236



68.3468, 7.1531, 32.2973



# Rectangle

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



68.3454, -39.9058, 12.9605



68.3468, -34.6812, -24.0206



68.3468, 42.2086, -7.0236



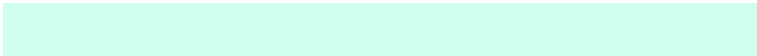
68.3468, 34.1450, 23.2080

# Sweetspot

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



68.3468, -39.9064, 12.9612



95.3488, -22.9918, 7.8872



68.7027, -41.3877, 35.8645



43.8279, -11.7565, 3.8586

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



68.3468, -39.9064, 12.9612



87.2729, -56.9770, 20.3121



63.2514, -23.8221, -14.4052



35.5794, -5.2061, 2.3726



53.1797, -38.2226, 16.0415



12.1363, -8.3294, 2.8115



# Inverse Universe

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



43.6597, 48.1946, 4.0434



51.1593, 73.7753, 9.2193



46.0942, 35.2025, 20.4562



33.5802, 1.6674, 1.4764



28.9399, 50.5805, 10.7934

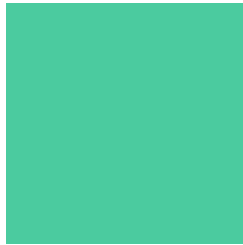


6.6804, 11.8812, 0.9002



# Previews

## White Background



This preview shows how the HunterLab color 68.3454, -39.9058, 12.9605 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

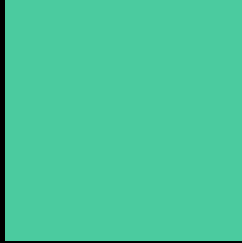
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 68.3454, -39.9058, 12.9605 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

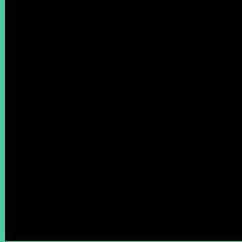
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

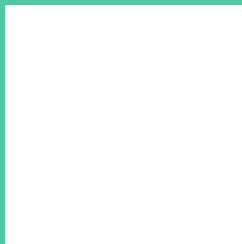
Any Text WCAG AAA ✓ Pass

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

## HunterLab 68.3454, -39.9058, 12.9605 Background



This preview shows how black text looks on a background with the HunterLab color 68.3454, -39.9058, 12.9605.



This preview shows how white text looks on a background with the HunterLab color 68.3454,

-39.9058, 12.9605.

# 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

68.3454, -39.9058, 12.9605

### Protanopia

67.7178, -4.7590, 17.1139

### Deuteranopia

67.6950, 5.0150, 10.6235



## Tritanopia

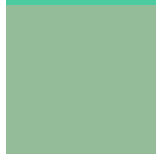
68.3127, -24.5837, -12.3969

# Trichromacy



## Original Color

68.3454, -39.9058, 12.9605



## Protanomaly

66.8004, -20.5832, 14.4359



## Deuteranomaly

66.7161, -15.4462, 10.0463



## Tritanomaly

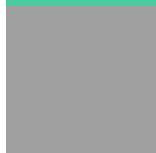
68.3899, -30.7492, -2.1357

# Monochromacy



## Original Color

68.3454, -39.9058, 12.9605



## Achromatopsia

59.2902, -3.1636, 3.2213



## Achromatomaly

61.8513, -18.9953, 5.8995

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 68.3454, -39.9058, 12.9605 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(75, 203, 159)` looks like.

```
.text, #text, p{  
    color:rgb(75, 203, 159)  
}
```

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(75, 203, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 203, 159) }
```

## Border

The CSS property to change the border of an element to HunterLab 68.3454, -39.9058, 12.9605 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(75, 203, 159) }
```



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

```
.border{ border-color:rgb(75, 203, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 203, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 203, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 203, 159);  
box-shadow:4px 4px 4px 4px rgb(75, 203,  
159) }
```

# Background

The CSS property to change the background color of an element to HunterLab 68.3454, -39.9058, 12.9605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 203, 159) }
```

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

```
.background{ background-color: rgb(75, 203,  
159) }
```

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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