

# Converting Colors

HunterLab(45.8944, -52.7151,  
6.0499)

Have a look what the booklet for  
HunterLab(45.8944, -52.7151,  
6.0499) contains.

<b>HunterLab(50.0379, -33.9111, 10.6613)</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(50.0379,  
-33.9111, 10.6613)**

# Conversions

## Conversions Part 1

Format	Color
Hex	009C74
RGB	0, 156, 116
RGB Percent	0%, 61%, 45%
CMY	0.9999, 0.3882, 0.5451
CMYK	1.00, 0.00, 0.26, 0.39
HSL	165°, 100%, 31%
HSV	165°, 100%, 61%
XYZ	15.0409, 25.0379, 20.5631
YIQ	104.7960, -80.1360, -45.5120

# Conversions

## Conversions Part 2

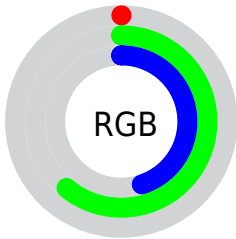
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 89, 156
Decimal	40052
CIELab	57.11, -44.69, 11.31
CIELCh	57, 46.102, 165.799
Yxy	25.0389, 0.2480, 0.4129
Android (android.graphics.Color)	4278230132 (0xFF009C74)
YUV	104.7960, 5.5236, -91.9061
Hunter-Lab	50.0379, -33.9111, 10.6613

# Details

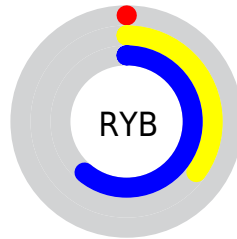
The HunterLab color **50.0379, -33.9111, 10.6613** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **26.8733, 46.5891, 12.9430**, and the grayscale version is **37.5114, -2.0015, 2.0381**.

A 20% lighter version of the original color is **71.7568, -40.0352, 12.9058**, and **31.8086, -22.5917, 9.0111** is the 20% darker color. If you saturate the color by 10%, you get **50.0387, -33.9123, 10.6628**, and if you desaturate by 10%, it is **50.2401, -32.8983, 9.4110**.

# Distribution



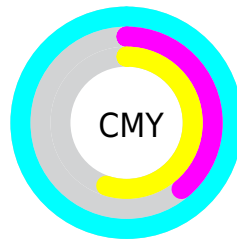
- Red (0%)
- Green (61%)
- Blue (45%)



- Red (0%)
- Yellow (35%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (39%)



- Cyan (100%)
- Magenta (39%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 50.0379, -33.9111, 10.6613 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 50.0379, -33.9111, 10.6613 by changing the saturation by 10% instead.



■ 50.0379, -33.9111,  
10.6613

■ 50.0379, -33.9111,  
10.6613

166.7428,  
-59.4980, 21.5479

■ 40.1323, -30.4904,  
9.4523

■ 71.9168, -40.2315,  
13.0518

■ 30.9826, -26.8210,  
8.2196

■ 83.8079, -43.2014,  
14.2446

■ 22.6584, -22.8104,  
6.9458

■ 96.2905, -46.0762,  
15.4411

■ 15.2516, -18.3845,  
5.5990

■ 109.3378,  
-48.8727, 16.6438

■ 8.8740, -15.5296,  
5.7660

■ 122.9264,  
-51.6037, 17.8545

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 137.0355,

-54.2797, 19.0748

0.0000, NaN, NaN

151.6465,  
-56.9088, 20.3057

0.0000, NaN, NaN

■ 50.0379, -33.9111,  
10.6613

■ 50.0379, -33.9111,  
10.6613

■ 50.0387, -33.9123,  
10.6628

■ 50.2401, -32.8983,  
9.4110

■ 50.5250, -31.5436,  
8.2033

■ 50.9277, -29.7174,  
7.0847

■ 51.4601, -27.3872,  
6.0774

■ 52.1304, -24.5398,  
5.1998

■ 52.9441, -21.1783,  
4.4665

■ 53.9040, -17.3196,  
3.8882

■ 55.0111, -12.9912,  
3.4716

■ 56.2642, -8.2285,  
3.2199

# Harmonies

## Analogous

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



50.0389, -26.6793, 21.6684



50.0379, -33.9111, 10.6613



50.0389, -33.7131, -7.9186

# Triad

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



50.0389, -33.9114, 10.6618



50.0389, 7.8806, -44.7881



50.0389, 26.0417, 22.0526

# Complementary

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



50.0379, -33.9111, 10.6613



26.8733, 46.5891, 12.9430

# 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.



50.0389, 38.4605, 11.4444



50.0379, -33.9111, 10.6613



50.0389, 26.9363, -28.8213

# Square

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



50.0389, -33.9114, 10.6618



50.0389, -11.4887, -45.2566



50.0389, 38.8108, -6.7745



50.0389, 6.7995, 26.3406



# Rectangle

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



50.0379, -33.9111, 10.6613



50.0389, -29.4476, -22.7591



50.0389, 38.8108, -6.7745



50.0389, 31.2732, 19.3366

# Sweetspot

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



50.0389, -33.9114, 10.6618



72.5614, -23.6727, 5.2809



49.2564, -39.7115, 29.6559



33.7922, -12.0852, 2.6102



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.



50.0389, -33.9114, 10.6618



67.4110, -45.8535, 14.7265



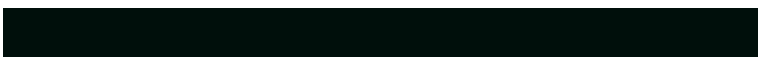
39.6719, -12.4175, -22.7795



27.3503, -3.8153, 1.5567



45.4195, -30.7383, 9.5848



6.1256, -3.7931, 0.5318



# Inverse Universe

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



26.8733, 46.5891, 12.9430



36.1775, 62.6482, 18.0041



28.9050, 38.0598, 18.4766



25.8315, 1.0887, 1.3998



24.3988, 42.3213, 11.5979



3.3570, 6.0051, 0.1838



# Previews

## White Background



This preview shows how the HunterLab color 50.0379, -33.9111, 10.6613 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 50.0379, -33.9111, 10.6613 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

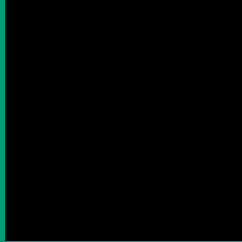
Any Text WCAG AA ✓ Pass

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 50.0379, -33.9111, 10.6613 Background



This preview shows how black text looks on a background with the HunterLab color 50.0379, -33.9111, 10.6613.



This preview shows how white text looks on a background with the HunterLab color 50.0379,

-33.9111, 10.6613.

# 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

50.0379, -33.9111, 10.6613

### Protanopia

49.6886, -3.8454, 13.9528

### Deuteranopia

49.5799, 3.5477, 8.9811



## Tritanopia

50.0993, -20.8928, -9.9479

# Trichromacy



**Original Color**

50.0379, -33.9111, 10.6613

**Protanomaly**

48.0063, -20.6125, 11.0012

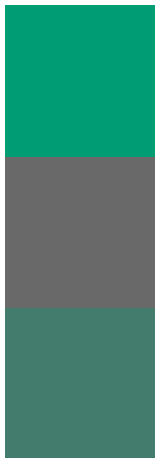
**Deuteranomaly**

47.6872, -16.6247, 7.3944

**Tritanomaly**

49.8075, -26.4725, -1.6603

# Monochromacy



**Original Color**

50.0379, -33.9111, 10.6613

**Achromatopsia**

37.5850, -2.0054, 2.0421

**Achromatomaly**

40.8812, -17.9120, 3.8943

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 50.0379, -33.9111, 10.6613 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(0, 156, 116)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 116)  
}
```

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(0, 156, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 116) }
```

## Border

The CSS property to change the border of an element to HunterLab 50.0379, -33.9111, 10.6613 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(0, 156, 116) }
```



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

```
.border{ border-color:rgb(0, 156, 116) }
```

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

Here you see how a box with a 4 pixel rgb(0, 156, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
116) }
```

# Background

The CSS property to change the background color of an element to HunterLab 50.0379, -33.9111, 10.6613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 116) }
```

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

```
.background{ background-color: rgb(0, 156,  
116) }
```

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