

Converting Colors

CIElCh(51, 40.555, 168.840)

Have a look what the booklet for
CIELCh(51, 40.555, 168.840)
contains.

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Color

CIELCh(51, 40.370, 168.927)

Conversions

Conversions Part 1

Format	Color
Hex	008A6B
RGB	0, 138, 107
RGB Percent	0%, 54%, 42%
CMY	0.9989, 0.4585, 0.5800
CMYK	1.00, 0.00, 0.22, 0.46
HSL	166°, 100%, 27%
HSV	166°, 100%, 54%
XYZ	11.7636, 19.2686, 17.0329
YIQ	93.2040, -72.2970, -38.8970

Conversions

Conversions Part 2

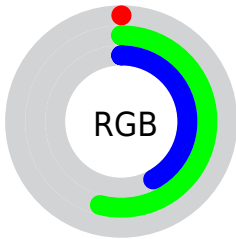
Format	Color
RYB	0, 78, 138
Decimal	35435
CIELab	51.00, -39.62, 7.75
CIElCh	51, 40.370, 168.927
Yxy	19.2686, 0.2447, 0.4009
Android (android.graphics.Color)	4278225515 (0xFF008A6B)
YUV	93.2040, 6.8014, -81.7399
Hunter-Lab	43.8960, -28.9822, 7.7210

Details

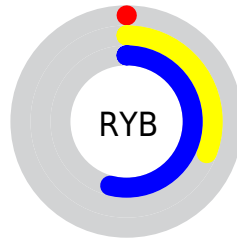
The CIELCh color **51, 40.370, 168.927** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **28, 57.229, 25.957**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 40.223, 168.802**, and **32, 31.762, 162.860** is the 20% darker color. If you saturate the color by 10%, you get **51, 40.409, 168.891**, and if you desaturate by 10%, it is **51, 38.501, 170.682**.

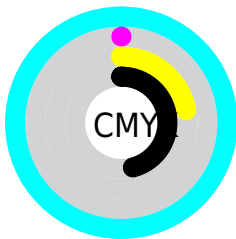
Distribution



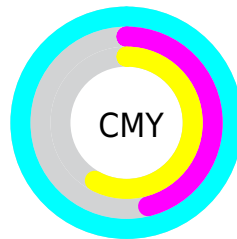
- Red (0%)
- Green (54%)
- Blue (42%)



- Red (0%)
- Yellow (31%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (46%)





- Cyan (100%)
- Magenta (46%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 40.370, 168.927 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 CIELCh color 51, 40.370, 168.927 by changing the saturation by 10% instead.


 51, 40.370,
168.927


 51, 40.370,
168.927


 100, 40.370,
168.927


 41, 40.370,
168.927


 71, 40.370,
168.927

 31, 40.370,
168.927

 81, 40.370,
168.927

 21, 40.370,
168.927

 91, 40.370,
168.927

 11, 40.370,
168.927

 1, 40.370, 168.927

 0, 40.370, 168.927

■ 51, 40.370,
168.927

■ 51, 40.370,
168.927

■ 51, 40.409,
168.891

■ 51, 38.501,
170.682

■ 51, 36.218,
172.351

■ 52, 33.332,
173.856

■ 52, 29.843,
175.215

■ 53, 25.793,
176.450

■ 54, 21.250,
177.583

■ 54, 16.300,
178.633

■ 55, 11.030,

179.620

■ 56, 5.530, 180.575

Harmonies

Complementary

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



51, 40.370, 168.927



28, 57.229, 25.957

Rectangle

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



51, 40.370, 168.927



51, 40.370, 218.927



51, 40.370, 348.927



51, 40.370, 38.927

Sweetspot

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



51, 40.370, 168.926



69, 20.204, 178.547



50, 73.802, 133.964



35, 13.617, 178.171



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



51, 40.370, 168.926



65, 49.083, 168.441



40, 29.320, 248.307



29, 3.182, 180.637



49, 39.195, 168.972



1, 1.494, 181.374

Inverse Universe

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



28, 57.229, 25.957



37, 69.893, 27.363



31, 60.039, 46.416



27, 3.287, 2.127



27, 55.560, 25.811



0, 1.494, 1.359

Previews

White Background



This preview shows how the CIELCh color 51, 40.370, 168.927 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 CIELCh color 51, 40.370, 168.927 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](#).

CIELCh 51, 40.370, 168.927

Background



This preview shows how black text looks on a background with the CIELCh color 51, 40.370, 168.927.



This preview shows how white text looks on a background with the CIELCh color 51, 40.370, 168.927.

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, 40.370, 168.927

Protanopia
51, 13.664, 95.645

Deuteranopia
51, 8.503, 40.072



Tritanopia
51, 26.128, 211.399

Trichromacy



Original Color
51, 40.370, 168.927

Protanomaly
49, 23.430, 156.602

Deuteranomaly
49, 17.260, 166.906

Tritanomaly
51, 30.089, 191.964

Monochromacy



Original Color
51, 40.370, 168.927

Achromatopsia
39, 0.006, 296.813

Achromatomaly
42, 19.816, 177.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 40.370, 168.927 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, 138, 107)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 107)  
}
```

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, 138, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 40.370, 168.927 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, 138, 107) }
```

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

```
.border{ border-color:rgb(0, 138, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 138, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 107);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 40.370, 168.927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 107) }
```

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

```
.background{ background-color: rgb(0, 138,  
107) }
```

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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