

Converting Colors

CIELCh(51, 39.970, 169.372)

Have a look what the booklet for
CIELCh(51, 39.970, 169.372)
contains.

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Color

CIELCh(51, 39.900, 169.555)

Conversions

Conversions Part 1

Format	Color
Hex	028A6C
RGB	2, 138, 108
RGB Percent	1%, 54%, 42%
CMY	0.9923, 0.4589, 0.5765
CMYK	0.99, 0.00, 0.22, 0.46
HSL	167°, 97%, 27%
HSV	167°, 99%, 54%
XYZ	11.8174, 19.2686, 17.2806
YIQ	93.9160, -71.4260, -38.1620

Conversions

Conversions Part 2

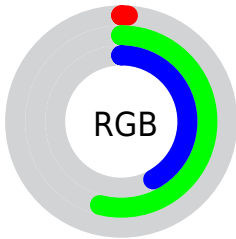
Format	Color
RYB	2, 78, 138
Decimal	166508
CIELab	51.00, -39.24, 7.23
CIELCh	51, 39.900, 169.555
Yxy	19.2686, 0.2443, 0.3984
Android (android.graphics.Color)	4278356588 (0xFF028A6C)
YUV	93.9160, 6.9434, -80.6103
Hunter-Lab	43.8960, -28.7633, 7.3864

Details

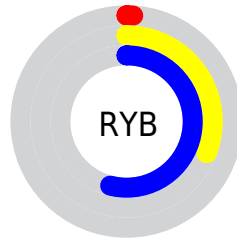
The CIELCh color **51, 39.900, 169.555** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **28, 56.822, 25.767**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 39.896, 169.455**, and **32, 31.336, 163.744** is the 20% darker color. If you saturate the color by 10%, you get **51, 40.162, 169.314**, and if you desaturate by 10%, it is **51, 38.041, 171.299**.

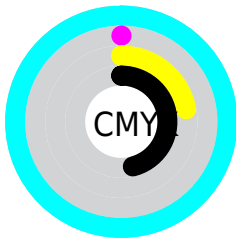
Distribution



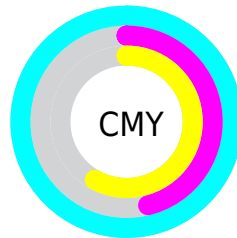
- Red (1%)
- Green (54%)
- Blue (42%)



- Red (1%)
- Yellow (31%)
- Blue (54%)



- Cyan (99%)
- Magenta (0%)
- Yellow (22%)
- Black (46%)





- Cyan (99%)
- Magenta (46%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 39.900, 169.555 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, 39.900, 169.555 by changing the saturation by 10% instead.


 51, 39.900,
169.555


 51, 39.900,
169.555


 100, 39.900,
169.555


 41, 39.900,
169.555


 71, 39.900,
169.555

 31, 39.900,
169.555

 81, 39.900,
169.555

 21, 39.900,
169.555

 91, 39.900,
169.555

 11, 39.900,
169.555

 1, 39.900, 169.555

 0, 39.900, 169.555

■ 51, 39.900,
169.555

■ 51, 39.900,
169.555

■ 51, 40.162,
169.314

■ 51, 38.041,
171.299

■ 51, 35.715,
172.932

■ 52, 32.784,
174.405

■ 52, 29.252,
175.736

■ 53, 25.165,
176.949

■ 54, 20.593,
178.063

■ 54, 15.621,
179.099

■ 55, 10.340,

180.076

■ 56, 4.835, 181.029

Harmonies

Complementary

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



51, 39.900, 169.555



28, 56.822, 25.767

Rectangle

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



51, 39.900, 169.555



51, 39.900, 219.555



51, 39.900, 349.555



51, 39.900, 39.555

Sweetspot

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



51, 39.900, 169.554



69, 20.148, 178.890



50, 73.367, 133.960



35, 13.578, 178.517



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, 39.900, 169.554



65, 48.804, 168.867



40, 29.128, 247.809



29, 3.175, 180.972



49, 38.978, 169.393



1, 1.491, 181.707

Inverse Universe

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



28, 56.822, 25.767



37, 70.088, 27.717



31, 59.280, 46.376



27, 3.282, 2.459



27, 55.705, 26.170



0, 1.491, 1.692

Previews

White Background



This preview shows how the CIELCh color 51, 39.900, 169.555 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, 39.900, 169.555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

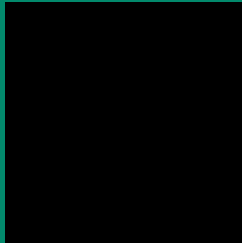
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 39.900, 169.555

Background



This preview shows how black text looks on a background with the CIELCh color 51, 39.900, 169.555.



This preview shows how white text looks on a background with the CIELCh color 51, 39.900, 169.555.

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, 39.900, 169.555

Protanopia

51, 13.101, 95.196

Deuteranopia

51, 8.296, 36.399



Tritanopia
51, 26.128, 211.399

Trichromacy



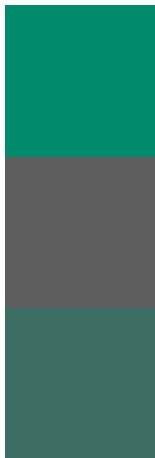
Original Color
51, 39.900, 169.555

Protanomaly
49, 23.018, 157.645

Deuteranomaly
49, 16.921, 168.543

Tritanomaly
51, 29.980, 191.958

Monochromacy



Original Color
51, 39.900, 169.555

Achromatopsia
40, 0.006, 296.813

Achromatomaly
43, 19.524, 177.211

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 39.900, 169.555 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(2, 138, 108)` looks like.

```
.text, #text, p{  
    color:rgb(2, 138, 108)  
}
```

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(2, 138, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 138, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 39.900, 169.555 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(2, 138, 108) }
```

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

```
.border{ border-color:rgb(2, 138, 108) }
```

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

Here you see how a box with a 4 pixel rgb(2, 138, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 138, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 138, 108);  
box-shadow:4px 4px 4px 4px rgb(2, 138,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 39.900, 169.555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 138, 108) }
```

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

```
.background{ background-color: rgb(2, 138,  
108) }
```

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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