

Converting Colors

CIELCh(51, 55.036, 150.994)

Have a look what the booklet for
CIELCh(51, 55.036, 150.994)
contains.

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Color

CIELCh(51, 55.109, 150.810)

Conversions

Conversions Part 1

Format	Color
Hex	008C49
RGB	0, 140, 73
RGB Percent	0%, 55%, 29%
CMY	0.9989, 0.4506, 0.7134
CMYK	1.00, 0.00, 0.48, 0.45
HSL	151°, 100%, 28%
HSV	151°, 100%, 55%
XYZ	10.6014, 19.2686, 9.4790
YIQ	90.5020, -61.9330, -50.5170

Conversions

Conversions Part 2

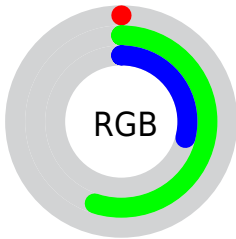
Format	Color
RYB	0, 92, 140
Decimal	35913
CIELab	51.00, -48.11, 26.88
CIELCh	51, 55.109, 150.810
Yxy	19.2686, 0.2694, 0.4897
Android (android.graphics.Color)	4278225993 (0xFF008C49)
YUV	90.5020, -8.6285, -79.3703
Hunter-Lab	43.8960, -33.7083, 17.9240

Details

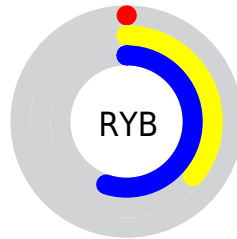
The CIELCh color **51, 55.109, 150.810** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **29, 54.164, 2.805**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **71, 55.213, 150.952**, and **32, 46.781, 143.020** is the 20% darker color. If you saturate the color by 10%, you get **51, 55.182, 150.769**, and if you desaturate by 10%, it is **51, 51.603, 152.880**.

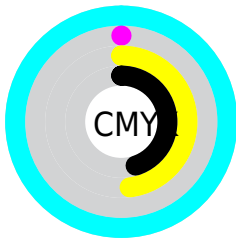
Distribution



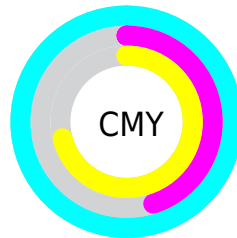
- Red (0%)
- Green (55%)
- Blue (29%)



- Red (0%)
- Yellow (36%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 55.109, 150.810 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, 55.109, 150.810 by changing the saturation by 10% instead.


 51, 55.109,
150.810


 51, 55.109,
150.810


 100, 55.109,
150.810


 41, 55.109,
150.810


 71, 55.109,
150.810

 31, 55.109,
150.810

 81, 55.109,
150.810

 21, 55.109,
150.810

 91, 55.109,
150.810

 11, 55.109,
150.810

 1, 55.109, 150.810

 0, 55.109, 150.810

■ 51, 55.109,
150.810

■ 51, 55.109,
150.810

■ 51, 55.182,
150.769

■ 51, 51.603,
152.880

■ 52, 47.644,
154.880

■ 52, 43.078,
156.680

■ 52, 37.932,
158.282

■ 53, 32.276,
159.703

■ 54, 26.206,
160.963

■ 55, 19.830,
162.086

■ 56, 13.251,

163.095

■ 57, 6.566, 164.023

Harmonies

Complementary

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



51, 55.109, 150.810



29, 54.164, 2.805

Rectangle

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



51, 55.109, 150.810



51, 55.109, 200.810



51, 55.109, 330.810



51, 55.109, 20.810

Sweetspot

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



51, 55.109, 150.810



69, 24.601, 161.996



52, 69.913, 128.205



36, 16.856, 161.589



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



51, 55.109, 150.810



65, 67.334, 150.244



52, 31.350, 198.950



29, 3.731, 164.082



48, 52.886, 150.899



1, 1.734, 164.787

Inverse Universe

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



29, 54.164, 2.805



39, 65.367, 3.905



28, 65.724, 39.283



27, 3.780, 345.482



28, 52.100, 2.631



0, 1.735, 344.777

Previews

White Background



This preview shows how the CIELCh color 51, 55.109, 150.810 looks on a white background.

Color Contrast Check

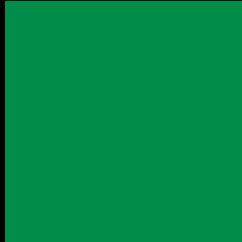
Large Text (above 18pt) WCAG AA ✓ Pass

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, 55.109, 150.810 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, 55.109, 150.810

Background



This preview shows how black text looks on a background with the CIELCh color 51, 55.109, 150.810.



This preview shows how white text looks on a background with the CIELCh color 51, 55.109, 150.810.

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, 55.109, 150.810

Protanopia

51, 31.808, 95.967

Deuteranopia

51, 25.487, 75.846



Tritanopia
51, 24.258, 212.704

Trichromacy



Original Color
51, 55.109, 150.810



Protanomaly
49, 38.233, 134.336



Deuteranomaly
49, 31.019, 133.545



Tritanomaly
51, 32.436, 178.272

Monochromacy



Original Color
51, 55.109, 150.810



Achromatopsia
39, 0.005, 296.813



Achromatomaly
42, 25.095, 159.673

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 55.109, 150.810 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, 140, 73)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 73)  
}
```

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, 140, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 55.109, 150.810 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, 140, 73) }
```

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

```
.border{ border-color:rgb(0, 140, 73) }
```

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

Here you see how a box with a 4 pixel rgb(0, 140, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 73);  
box-shadow:4px 4px 4px 4px rgb(0, 140, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 51, 55.109, 150.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 73) }
```

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

```
.background{ background-color: rgb(0, 140,  
73) }
```

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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