

Converting Colors

CIELCh(50, 55.656, 149.721)

Have a look what the booklet for
CIELCh(50, 55.656, 149.721)
contains.

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Color

CIELCh(50, 55.206, 149.940)

Conversions

Conversions Part 1

Format	Color
Hex	018945
RGB	1, 137, 69
RGB Percent	0%, 54%, 27%
CMY	0.9964, 0.4615, 0.7283
CMYK	0.99, 0.00, 0.50, 0.46
HSL	150°, 99%, 27%
HSV	150°, 99%, 54%
XYZ	10.0840, 18.4187, 8.6993
YIQ	88.5840, -59.2280, -49.9800

Conversions

Conversions Part 2

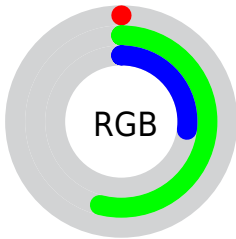
Format	Color
RYB	1, 92, 137
Decimal	100677
CIELab	50.00, -47.78, 27.65
CIELCh	50, 55.206, 149.940
Yxy	18.4187, 0.2711, 0.4951
Android (android.graphics.Color)	4278290757 (0xFF018945)
YUV	88.5840, -9.6549, -76.8112
Hunter-Lab	42.9170, -33.1633, 18.0237

Details

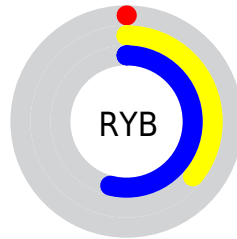
The CIELCh color **50, 55.206, 149.940** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **29, 53.474, 0.763**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **70, 55.569, 149.637**, and **31, 47.287, 141.848** is the 20% darker color. If you saturate the color by 10%, you get **50, 55.440, 149.812**, and if you desaturate by 10%, it is **50, 51.631, 151.998**.

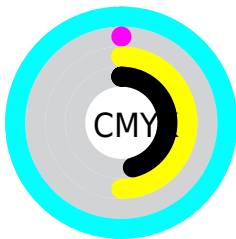
Distribution



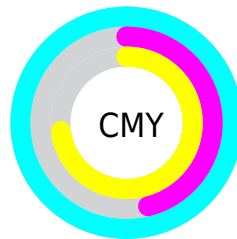
- Red (0%)
- Green (54%)
- Blue (27%)



- Red (0%)
- Yellow (36%)
- Blue (54%)



- Cyan (99%)
- Magenta (0%)
- Yellow (50%)
- Black (46%)





- Cyan (100%)
- Magenta (46%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 55.206, 149.940 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 50, 55.206, 149.940 by changing the saturation by 10% instead.


 50, 55.206,
149.940


 50, 55.206,
149.940


 100, 55.206,
149.940


 40, 55.206,
149.940


 70, 55.206,
149.940

 30, 55.206,
149.940


 80, 55.206,
149.940


 20, 55.206,
149.940

 90, 55.206,
149.940

 10, 55.206,
149.940

 0, 55.206, 149.940

 50, 55.206,
149.940

 50, 55.206,
149.940

■ 50, 55.440,
149.812

■ 50, 51.631,
151.998

■ 51, 47.588,
153.980

■ 51, 42.943,
155.764

■ 51, 37.728,
157.350

■ 52, 32.018,
158.755

■ 53, 25.910,
160.000

■ 54, 19.511,
161.107

■ 55, 12.925,
162.101

■ 56, 6.246, 163.013

Harmonies

Complementary

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



50, 55.206, 149.940



29, 53.474, 0.763

Rectangle

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



50, 55.206, 149.940



50, 55.206, 199.940



50, 55.206, 329.940



50, 55.206, 19.940

Sweetspot

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



50, 55.206, 149.940



69, 24.693, 160.968



51, 68.365, 127.603



35, 16.728, 160.575



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



50, 55.206, 149.940



64, 67.963, 149.269



52, 31.584, 196.390



29, 3.783, 163.029



48, 53.964, 149.895



1, 1.758, 163.724

Inverse Universe

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



29, 53.474, 0.763



38, 64.846, 1.999



28, 64.664, 38.767



27, 3.829, 344.407



28, 52.265, 0.836



0, 1.758, 343.714

Previews

White Background



This preview shows how the CIE LCh color 50, 55.206, 149.940 looks on a white background.

Color Contrast Check

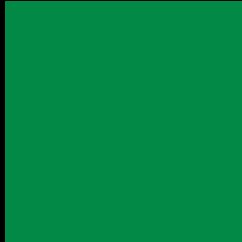
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 50, 55.206, 149.940 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 50, 55.206, 149.940

Background



This preview shows how black text looks on a background with the CIELCh color 50, 55.206, 149.940.



This preview shows how white text looks on a background with the CIELCh color 50, 55.206, 149.940.

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, 55.155, 149.896

Protanopia

50, 32.408, 95.965

Deuteranopia

50, 26.386, 75.409



Tritanopia
50, 23.990, 211.443

Trichromacy



Original Color
50, 55.155, 149.896



Protanomaly
48, 39.076, 133.047



Deuteranomaly
48, 31.261, 131.753



Tritanomaly
50, 32.817, 176.210

Monochromacy



Original Color
50, 55.155, 149.896



Achromatopsia
38, 0.005, 296.813



Achromatomaly
41, 24.893, 159.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 55.206, 149.940 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(1, 137, 69)` looks like.

```
.text, #text, p{  
    color:rgb(1, 137, 69)  
}
```

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(1, 137, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 137, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 55.206, 149.940 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(1, 137, 69) }
```

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

```
.border{ border-color:rgb(1, 137, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 137, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 137, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 137, 69);  
box-shadow:4px 4px 4px 4px rgb(1, 137, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 50, 55.206, 149.940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 137, 69) }
```

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

```
.background{ background-color: rgb(1, 137,  
69) }
```

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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