

Converting Colors

CIE LCh(50, 51.455, 153.526)

Have a look what the booklet for
CIELCh(50, 51.455, 153.526)
contains.

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Color

CIELCh(50, 51.455, 153.526)

Conversions

Conversions Part 1

Format	Color
Hex	00894E
RGB	0, 137, 78
RGB Percent	0%, 54%, 31%
CMY	1.0000, 0.4630, 0.6944
CMYK	1.00, 0.00, 0.43, 0.46
HSL	154°, 100%, 27%
HSV	154°, 100%, 54%
XYZ	10.3057, 18.4187, 10.2074
YIQ	89.3110, -62.7130, -47.3930

Conversions

Conversions Part 2

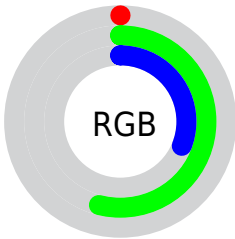
Format	Color
RYB	0, 87, 137
Decimal	35150
CIELab	50.00, -46.06, 22.94
CIELCh	50, 51.455, 153.526
Yxy	18.4187, 0.2647, 0.4731
Android (android.graphics.Color)	4278225230 (0xFF00894E)
YUV	89.3110, -5.5763, -78.3257
Hunter-Lab	42.9170, -32.2414, 15.9403

Details

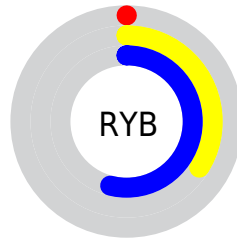
The CIELCh color **50, 51.455, 153.526** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **28, 53.179, 7.341**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **70, 51.154, 153.803**, and **31, 43.648, 145.435** is the 20% darker color. If you saturate the color by 10%, you get **50, 51.445, 153.517**, and if you desaturate by 10%, it is **50, 48.262, 155.573**.

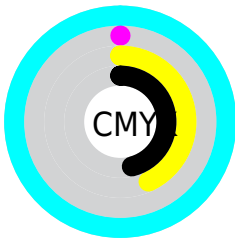
Distribution



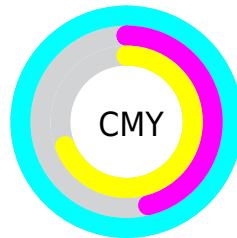
- Red (0%)
- Green (54%)
- Blue (31%)



- Red (0%)
- Yellow (34%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (46%)





- Cyan (100%)
- Magenta (46%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 51.455, 153.526 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, 51.455, 153.526 by changing the saturation by 10% instead.


 50, 51.455,
153.526


 50, 51.455,
153.526


 100, 51.455,
153.526


 40, 51.455,
153.526


 70, 51.455,
153.526

 30, 51.455,
153.526


 80, 51.455,
153.526


 20, 51.455,
153.526

 90, 51.455,
153.526

 10, 51.455,
153.526

 0, 51.455, 153.526

 50, 51.455,
153.526

 50, 51.455,
153.526

■ 50, 51.445,
153.517

■ 50, 48.262,
155.573

■ 51, 44.670,
157.564

■ 51, 40.493,
159.355

■ 51, 35.751,
160.952

■ 52, 30.507,
162.373

■ 53, 24.847,
163.640

■ 54, 18.871,
164.775

■ 55, 12.678,
165.804

■ 56, 6.360, 166.756

Harmonies

Complementary

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



50, 51.455, 153.526



28, 53.179, 7.341

Rectangle

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



50, 51.455, 153.526



50, 51.455, 203.526



50, 51.455, 333.526



50, 51.455, 23.526

Sweetspot

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



50, 51.445, 153.517



69, 23.416, 164.704



50, 69.867, 129.690



35, 15.848, 164.302



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, 51.445, 153.517



64, 63.158, 152.965



48, 29.035, 207.427



29, 3.606, 166.835



48, 50.188, 153.594



1, 1.679, 167.562

Inverse Universe

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



28, 53.179, 7.341



38, 64.640, 8.535



28, 63.919, 40.076



27, 3.664, 348.284



27, 51.954, 7.178



0, 1.679, 347.551

Previews

White Background



This preview shows how the CIELCh color 50, 51.455, 153.526 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 50, 51.455, 153.526 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, 51.455, 153.526

Background



This preview shows how black text looks on a background with the CIELCh color 50, 51.455, 153.526.



This preview shows how white text looks on a background with the CIELCh color 50, 51.455, 153.526.

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, 51.455, 153.526

Protanopia
50, 27.616, 95.002

Deuteranopia
50, 21.384, 71.422



Tritanopia
50, 24.174, 211.317

Trichromacy



Original Color
50, 51.455, 153.526



Protanomaly
48, 34.314, 137.263



Deuteranomaly
48, 26.933, 137.143



Tritanomaly
50, 32.040, 179.095

Monochromacy



Original Color
50, 51.455, 153.526



Achromatopsia
38, 0.005, 296.813



Achromatomaly
41, 23.036, 163.154

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 51.455, 153.526 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, 137, 78)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 78)  
}
```

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, 137, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 51.455, 153.526 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, 137, 78) }
```

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

```
.border{ border-color:rgb(0, 137, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 137, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 78);  
box-shadow:4px 4px 4px 4px rgb(0, 137, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 50, 51.455, 153.526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 137, 78) }
```

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

```
.background{ background-color: rgb(0, 137,  
78) }
```

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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