

Converting Colors

CIELCh(50, 56.050, 180.107)

Have a look what the booklet for
CIELCh(50, 56.050, 180.107)
contains.

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Color

CIELCh(52, 38.018, 175.139)

Conversions

Conversions Part 1

Format	Color
Hex	008C75
RGB	0, 140, 117
RGB Percent	0%, 55%, 46%
CMY	1.0000, 0.4495, 0.5396
CMYK	1.00, 0.00, 0.16, 0.45
HSL	170°, 100%, 28%
HSV	170°, 100%, 55%
XYZ	12.6411, 20.1443, 20.1749
YIQ	95.5180, -76.0570, -36.8330

Conversions

Conversions Part 2

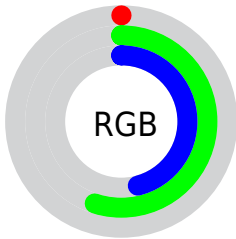
Format	Color
RYB	0, 76, 140
Decimal	35957
CIELab	52.00, -37.88, 3.22
CIElCh	52, 38.018, 175.139
Yxy	20.1443, 0.2387, 0.3804
Android (android.graphics.Color)	4278226037 (0xFF008C75)
YUV	95.5180, 10.5906, -83.7693
Hunter-Lab	44.8824, -28.2700, 4.7666

Details

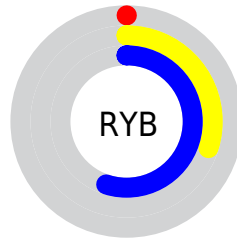
The CIELCh color **52, 38.018, 175.139** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **29, 60.314, 30.781**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 37.649, 175.228**, and **33, 29.176, 169.957** is the 20% darker color. If you saturate the color by 10%, you get **52, 37.915, 175.090**, and if you desaturate by 10%, it is **52, 36.433, 176.585**.

Distribution



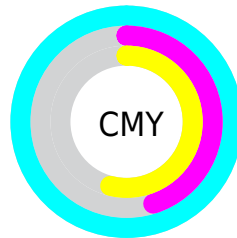
- Red (0%)
- Green (55%)
- Blue (46%)



- Red (0%)
- Yellow (30%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (54%)
- Black (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 38.018, 175.139 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 52, 38.018, 175.139 by changing the saturation by 10% instead.


 52, 38.018,
175.139


 52, 38.018,
175.139


 100, 38.018,
175.139


 42, 38.018,
175.139


 72, 38.018,
175.139

 32, 38.018,
175.139

 82, 38.018,
175.139

 22, 38.018,
175.139

 92, 38.018,
175.139

 12, 38.018,
175.139

 2, 38.018, 175.139

 0, 38.018, 175.139

■ 52, 38.018,
175.139

■ 52, 38.018,
175.139

■ 52, 37.915,
175.090

■ 52, 36.433,
176.585

■ 52, 34.526,
178.003

■ 53, 31.994,
179.289

■ 53, 28.832,
180.462

■ 54, 25.074,
181.542

■ 54, 20.785,
182.549

■ 55, 16.045,
183.499

■ 56, 10.943,

184.408

■ 57, 5.567, 185.304

Harmonies

Complementary

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



52, 38.018, 175.139



29, 60.314, 30.781

Rectangle

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



52, 38.018, 175.139



52, 38.018, 225.139



52, 38.018, 355.139



52, 38.018, 45.139

Sweetspot

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



52, 37.915, 175.090



71, 19.942, 183.438



51, 75.590, 134.826



36, 13.421, 183.092



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



52, 37.915, 175.090



67, 46.395, 174.702



38, 32.802, 260.818



30, 3.191, 185.378



50, 36.861, 175.153



2, 2.187, 186.076

Inverse Universe

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



29, 60.314, 30.781



38, 74.363, 32.024



33, 59.012, 49.887



28, 3.318, 6.797



27, 58.567, 30.575



0, 2.187, 6.060

Previews

White Background



This preview shows how the CIELCh color 52, 38.018, 175.139 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 52, 38.018, 175.139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

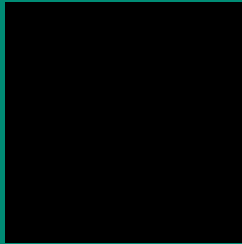
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 38.018, 175.139

Background



This preview shows how black text looks on a background with the CIELCh color 52, 38.018, 175.139.

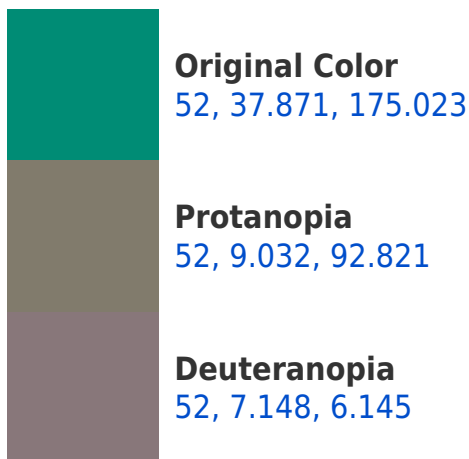


This preview shows how white text looks on a background with the CIELCh color 52, 38.018, 175.139.

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





Tritanopia
52, 27.147, 210.737

Trichromacy



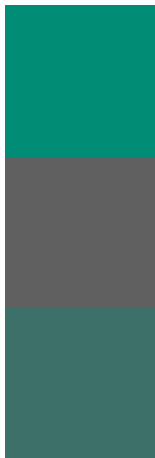
Original Color
52, 37.871, 175.023

Protanomaly
50, 20.863, 166.947

Deuteranomaly
50, 15.568, 182.454

Tritanomaly
52, 30.488, 194.274

Monochromacy



Original Color
52, 37.871, 175.023

Achromatopsia
41, 0.006, 296.813

Achromatomaly
44, 19.282, 182.685

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 38.018, 175.139 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, 117)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 117)  
}
```

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, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 38.018, 175.139 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, 117) }
```

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

```
.border{ border-color:rgb(0, 140, 117) }
```

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, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 38.018, 175.139 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, 117) }
```

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

```
.background{ background-color: rgb(0, 140,  
117) }
```

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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