

Converting Colors

CIELCh(55, 80.795, 186.526)

Have a look what the booklet for
CIELCh(55, 80.795, 186.526)
contains.

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Color

CIELCh(59, 38.691, 183.276)

Conversions

Conversions Part 1

Format	Color
Hex	00A091
RGB	0, 160, 145
RGB Percent	0%, 63%, 57%
CMY	1.0000, 0.3739, 0.4325
CMYK	1.00, 0.00, 0.09, 0.37
HSL	174°, 100%, 31%
HSV	174°, 100%, 63%
XYZ	17.5369, 27.0277, 30.9641
YIQ	110.4500, -90.5450, -38.5850

Conversions

Conversions Part 2

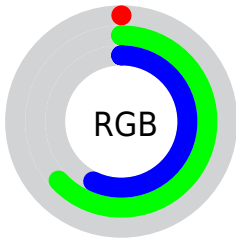
Format	Color
RYB	0, 84, 160
Decimal	41105
CIELab	59.00, -38.63, -2.21
CIELCh	59, 38.691, 183.276
Yxy	27.0277, 0.2322, 0.3578
Android (android.graphics.Color)	4278231185 (0xFF00A091)
YUV	110.4500, 17.0332, -96.8646
Hunter-Lab	51.9882, -30.7669, 1.0787

Details

The CIELCh color **59, 38.691, 183.276** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **33, 69.730, 35.658**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **79, 38.310, 183.711**, and **40, 29.274, 181.424** is the 20% darker color. If you saturate the color by 10%, you get **59, 38.473, 183.221**, and if you desaturate by 10%, it is **59, 37.373, 184.274**.

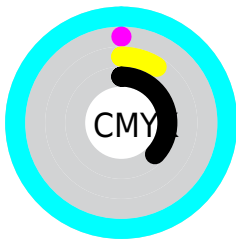
Distribution



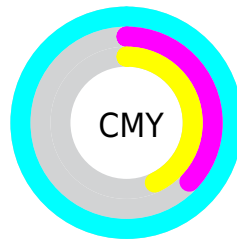
- Red (0%)
- Green (63%)
- Blue (57%)



- Red (0%)
- Yellow (33%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (37%)





- Cyan (100%)
- Magenta (37%)
- Yellow (43%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 38.691, 183.276 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 59, 38.691, 183.276 by changing the saturation by 10% instead.


 59, 38.691,
183.276


 59, 38.691,
183.276


 100, 38.691,
183.276


 49, 38.691,
183.276


 79, 38.691,
183.276

 39, 38.691,
183.276

 89, 38.691,
183.276

 29, 38.691,
183.276

 99, 38.691,
183.276

 19, 38.691,
183.276

 9, 38.691, 183.276

 0, 38.691, 183.276

■ 59, 38.691,
183.276

■ 59, 38.691,
183.276

■ 59, 38.473,
183.221

■ 59, 37.373,
184.274

■ 59, 35.752,
185.268

■ 60, 33.419,
186.188

■ 60, 30.356,
187.051

■ 61, 26.591,
187.872

■ 62, 22.187,
188.665

■ 62, 17.229,
189.441

■ 63, 11.814,

190.211

■ 64, 6.039, 190.996

Harmonies

Complementary

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



59, 38.691, 183.276



33, 69.730, 35.658

Rectangle

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



59, 38.691, 183.276



59, 38.691, 233.276



59, 38.691, 3.276



59, 38.691, 53.276

Sweetspot

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



59, 38.473, 183.221



79, 21.210, 189.398



57, 83.797, 135.489



41, 14.396, 189.091



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



59, 38.473, 183.221



75, 46.667, 182.997



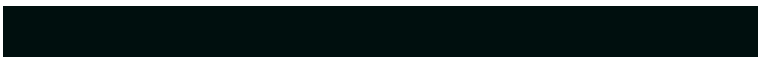
39, 41.154, 271.736



33, 3.392, 191.059



53, 35.420, 183.335



3, 4.542, 190.085

Inverse Universe

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



33, 69.730, 35.658



43, 85.253, 36.491



40, 62.846, 53.577



31, 3.556, 12.334



29, 63.921, 35.200



1, 4.518, 12.056

Previews

White Background



This preview shows how the CIELCh color 59, 38.691, 183.276 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 59, 38.691, 183.276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

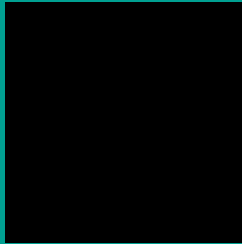
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 38.691, 183.276

Background



This preview shows how black text looks on a background with the CIELCh color 59, 38.691, 183.276.



This preview shows how white text looks on a background with the CIELCh color 59, 38.691, 183.276.

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
59, 30.886, 210.865

Trichromacy



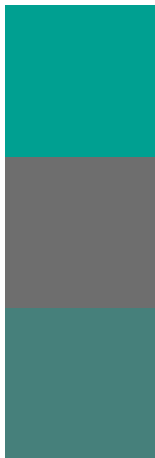
Original Color
59, 38.537, 183.208

Protanomaly
57, 20.847, 181.496

Deuteranomaly
57, 17.042, 203.663

Tritanomaly
59, 33.169, 199.532

Monochromacy



Original Color
59, 38.537, 183.208

Achromatopsia
46, 0.006, 296.813

Achromatomaly
50, 20.530, 189.011

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 38.691, 183.276 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, 160, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 145)  
}
```

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, 160, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 38.691, 183.276 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, 160, 145) }
```

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

```
.border{ border-color:rgb(0, 160, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 160, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 38.691, 183.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 145) }
```

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

```
.background{ background-color: rgb(0, 160,  
145) }
```

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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