

Converting Colors

CIELCh(54, 75.140, 186.677)

Have a look what the booklet for
CIELCh(54, 75.140, 186.677)
contains.

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Color

CIELCh(58, 38.073, 182.997)

Conversions

Conversions Part 1

Format	Color
Hex	009D8E
RGB	0, 157, 142
RGB Percent	0%, 62%, 56%
CMY	1.0000, 0.3854, 0.4442
CMYK	1.00, 0.00, 0.10, 0.39
HSL	174°, 100%, 31%
HSV	174°, 100%, 61%
XYZ	16.8613, 25.9610, 29.6109
YIQ	108.3470, -88.7570, -37.9490

Conversions

Conversions Part 2

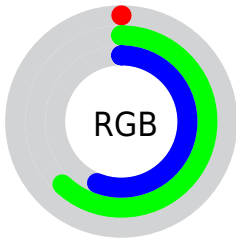
Format	Color
RYB	0, 82, 157
Decimal	40334
CIELab	58.00, -38.02, -1.99
CIELCh	58, 38.073, 182.997
Yxy	25.9610, 0.2328, 0.3584
Android (android.graphics.Color)	4278230414 (0xFF009D8E)
YUV	108.3470, 16.5909, -95.0203
Hunter-Lab	50.9519, -30.0957, 1.2097

Details

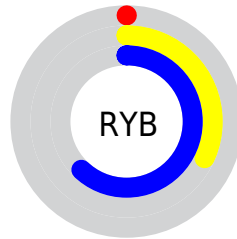
The CIELCh color **58, 38.073, 182.997** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **32, 68.647, 35.484**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 37.883, 183.529**, and **39, 29.250, 180.076** is the 20% darker color. If you saturate the color by 10%, you get **58, 38.029, 182.985**, and if you desaturate by 10%, it is **58, 36.921, 184.050**.

Distribution



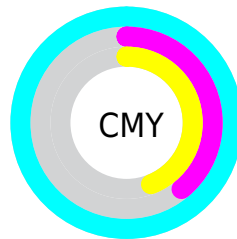
- Red (0%)
- Green (62%)
- Blue (56%)



- Red (0%)
- Yellow (32%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (39%)





- Cyan (100%)
- Magenta (39%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 38.073, 182.997 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 58, 38.073, 182.997 by changing the saturation by 10% instead.


 58, 38.073,
182.997


 58, 38.073,
182.997


 100, 38.073,
182.997

 48, 38.073,
182.997


 78, 38.073,
182.997

 38, 38.073,
182.997

 88, 38.073,
182.997

 28, 38.073,
182.997

 98, 38.073,
182.997

 18, 38.073,
182.997

 8, 38.073, 182.997

 0, 38.073, 182.997

■ 58, 38.073,
182.997

■ 58, 38.073,
182.997

■ 58, 38.029,
182.985

■ 58, 36.921,
184.050

■ 58, 35.305,
185.057

■ 59, 32.988,
185.988

■ 59, 29.953,
186.860

■ 60, 26.230,
187.689

■ 60, 21.880,
188.488

■ 61, 16.986,
189.270

■ 62, 11.645,

190.043

■ 63, 5.952, 190.832

Harmonies

Complementary

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



58, 38.073, 182.997



32, 68.647, 35.484

Rectangle

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



58, 38.073, 182.997



58, 38.073, 232.997



58, 38.073, 2.997



58, 38.073, 52.997

Sweetspot

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



58, 38.029, 182.985



78, 21.016, 189.224



56, 82.652, 135.479



40, 14.123, 188.921



91, 0.011, 296.813



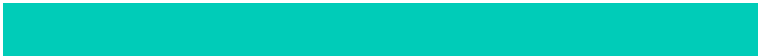
43, 0.006, 296.813

Same Dimension

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



58, 38.029, 182.985



74, 46.334, 182.748



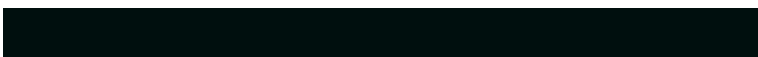
39, 40.548, 271.652



33, 3.394, 190.894



53, 35.496, 183.082



3, 4.545, 189.898

Inverse Universe

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



32, 68.647, 35.484



43, 84.332, 36.361



39, 61.965, 53.637



31, 3.557, 12.175



29, 63.845, 35.096



1, 4.519, 11.902

Previews

White Background



This preview shows how the CIELCh color 58, 38.073, 182.997 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 58, 38.073, 182.997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

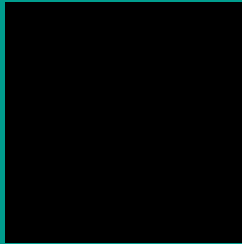
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 38.073, 182.997

Background



This preview shows how black text looks on a background with the CIELCh color 58, 38.073, 182.997.

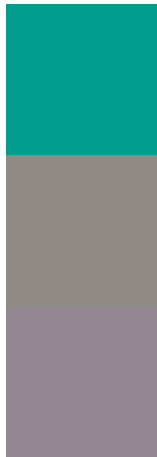


This preview shows how white text looks on a background with the CIELCh color 58, 38.073, 182.997.

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
58, 38.073, 182.997

Protanopia
58, 4.434, 82.792

Deuteranopia
58, 8.523, 327.044



Tritanopia
58, 30.453, 211.124

Trichromacy



Original Color
58, 38.073, 182.997

Protanomaly
56, 20.300, 181.019

Deuteranomaly
56, 17.086, 201.690

Tritanomaly
58, 32.642, 199.597

Monochromacy



Original Color
58, 38.073, 182.997

Achromatopsia
46, 0.006, 296.813

Achromatomaly
49, 20.449, 187.257

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 38.073, 182.997 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, 157, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 142)  
}
```

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, 157, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 38.073, 182.997 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, 157, 142) }
```

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

```
.border{ border-color:rgb(0, 157, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 157, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 38.073, 182.997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 142) }
```

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

```
.background{ background-color: rgb(0, 157,  
142) }
```

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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