

Converting Colors

CIELCh(58, 34.164, 198.980)

Have a look what the booklet for
CIELCh(58, 34.164, 198.980)
contains.

CIELCh(58, 34.088, 199.359)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(58, 34.088, 199.359)

Conversions

Conversions Part 1

Format	Color
Hex	019B9E
RGB	1, 155, 158
RGB Percent	0%, 61%, 62%
CMY	0.9943, 0.3917, 0.3800
CMYK	0.99, 0.02, 0.00, 0.38
HSL	181°, 98%, 31%
HSV	181°, 99%, 62%
XYZ	17.9386, 25.9610, 36.4623
YIQ	109.2960, -92.7470, -31.7150

Conversions

Conversions Part 2

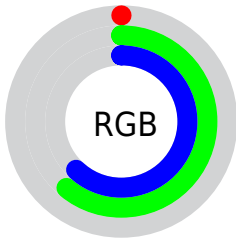
Format	Color
RYB	1, 79, 158
Decimal	105374
CIELab	58.00, -32.16, -11.30
CIELCh	58, 34.088, 199.359
Yxy	25.9610, 0.2232, 0.3231
Android (android.graphics.Color)	4278295454 (0xFF019B9E)
YUV	109.2960, 24.0111, -94.9756
Hunter-Lab	50.9519, -26.3216, -6.7629

Details

The CIELCh color **58, 34.088, 199.359** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **33, 72.055, 39.691**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 34.044, 199.764**, and **39, 25.193, 202.158** is the 20% darker color. If you saturate the color by 10%, you get **58, 34.140, 199.376**, and if you desaturate by 10%, it is **58, 33.463, 199.164**.

Distribution



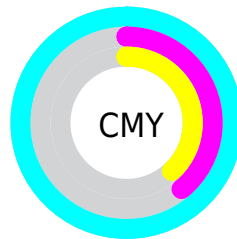
- Red (0%)
- Green (61%)
- Blue (62%)



- Red (0%)
- Yellow (31%)
- Blue (62%)



- Cyan (99%)
- Magenta (2%)
- Yellow (0%)
- Black (38%)





- Cyan (99%)
- Magenta (39%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 34.088, 199.359 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, 34.088, 199.359 by changing the saturation by 10% instead.

 58, 34.088,
199.359


 58, 34.088,
199.359


 100, 34.088,
199.359


 48, 34.088,
199.359


 78, 34.088,
199.359

 38, 34.088,
199.359

 88, 34.088,
199.359

 28, 34.088,
199.359

 98, 34.088,
199.359

 18, 34.088,
199.359

 8, 34.088, 199.359

 0, 34.088, 199.359

■ 58, 34.088,
199.359

■ 58, 34.088,
199.359

■ 58, 34.140,
199.376

■ 58, 33.463,
199.164

■ 58, 32.284,
199.047

■ 59, 30.393,
199.026

■ 59, 27.767,
199.099

■ 60, 24.425,
199.260

■ 61, 20.422,
199.505

■ 62, 15.834,
199.825

■ 63, 10.748,

200.216

■ 64, 5.258, 200.691

Harmonies

Complementary

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



58, 34.088, 199.359



33, 72.055, 39.691

Rectangle

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



58, 34.088, 199.359



58, 34.088, 249.359



58, 34.088, 19.359



58, 34.088, 69.359

Sweetspot

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



58, 34.087, 199.358



79, 20.194, 199.772



57, 83.232, 136.222



41, 13.668, 199.641



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



58, 34.087, 199.358



74, 41.609, 199.436



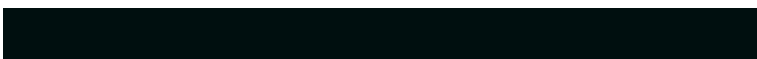
34, 51.110, 284.728



33, 3.274, 200.682



53, 31.695, 199.350



3, 4.367, 201.453

Inverse Universe

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



37, 79.480, 328.983



49, 97.117, 329.012



43, 58.681, 62.641



31, 6.026, 325.431



33, 73.954, 328.990



1, 7.817, 325.077

Previews

White Background



This preview shows how the CIELCh color 58, 34.088, 199.359 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, 34.088, 199.359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

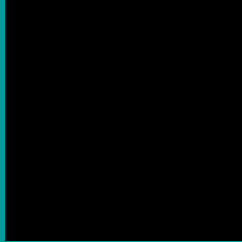
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 34.088, 199.359

Background



This preview shows how black text looks on a background with the CIELCh color 58, 34.088, 199.359.

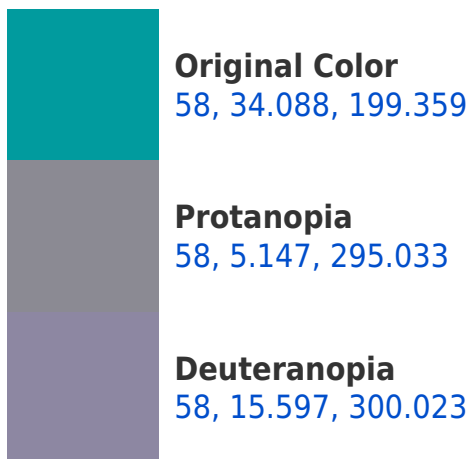


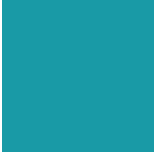
This preview shows how white text looks on a background with the CIELCh color 58, 34.088, 199.359.

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
58, 31.960, 209.240

Trichromacy



Original Color
58, 34.088, 199.359



Protanomaly
56, 18.781, 210.167



Deuteranomaly
56, 19.679, 231.914



Tritanomaly
58, 32.686, 205.768

Monochromacy



Original Color
58, 34.088, 199.359



Achromatopsia
46, 0.006, 296.813



Achromatomaly
49, 18.921, 199.260

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 34.088, 199.359 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, 155, 158)` looks like.

```
.text, #text, p{  
    color:rgb(1, 155, 158)  
}
```

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, 155, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 155, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 34.088, 199.359 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, 155, 158) }
```

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

```
.border{ border-color:rgb(1, 155, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 155, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 155, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 155, 158);  
box-shadow:4px 4px 4px 4px rgb(1, 155,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 34.088, 199.359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 155, 158) }
```

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

```
.background{ background-color: rgb(1, 155,  
158) }
```

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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