

Converting Colors

CIELCh(55, 59.318, 202.614)

Have a look what the booklet for
CIELCh(55, 59.318, 202.614)
contains.

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Color

CIELCh(59, 33.451, 210.611)

Conversions

Conversions Part 1

Format	Color
Hex	049DAB
RGB	4, 157, 171
RGB Percent	2%, 62%, 67%
CMY	0.9854, 0.3848, 0.3299
CMYK	0.98, 0.08, 0.00, 0.33
HSL	185°, 96%, 34%
HSV	185°, 98%, 67%
XYZ	19.4189, 27.0277, 42.6573
YIQ	112.8490, -95.6820, -28.0820

Conversions

Conversions Part 2

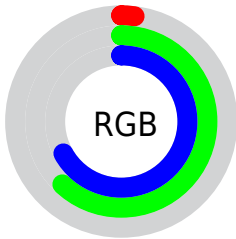
Format	Color
RYB	4, 84, 171
Decimal	302507
CIELab	59.00, -28.79, -17.03
CIELCh	59, 33.451, 210.611
Yxy	27.0277, 0.2179, 0.3033
Android (android.graphics.Color)	4278492587 (0xFF049DAB)
YUV	112.8490, 28.6684, -95.4606
Hunter-Lab	51.9882, -24.3052, -12.2568

Details

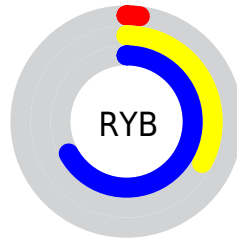
The CIELCh color **59, 33.451, 210.611** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **36, 74.867, 40.401**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **79, 33.442, 210.282**, and **40, 25.178, 216.887** is the 20% darker color. If you saturate the color by 10%, you get **59, 33.532, 210.893**, and if you desaturate by 10%, it is **60, 32.959, 209.356**.

Distribution



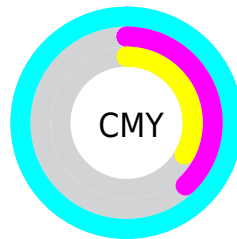
- Red (2%)
- Green (62%)
- Blue (67%)



- Red (2%)
- Yellow (33%)
- Blue (67%)



- Cyan (98%)
- Magenta (8%)
- Yellow (0%)
- Black (33%)





- Cyan (99%)
- Magenta (38%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 33.451, 210.611 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, 33.451, 210.611 by changing the saturation by 10% instead.


 59, 33.451,
210.611


 59, 33.451,
210.611


 100, 33.451,
210.611


 49, 33.451,
210.611


 79, 33.451,
210.611

 39, 33.451,
210.611

 89, 33.451,
210.611

 29, 33.451,
210.611

 99, 33.451,
210.611

 19, 33.451,
210.611

 9, 33.451, 210.611

 0, 33.451, 210.611

■ 59, 33.451,
210.611

■ 59, 33.451,
210.611

■ 59, 33.532,
210.893

■ 60, 32.959,
209.356

■ 60, 31.830,
208.355

■ 61, 29.950,
207.608

■ 62, 27.303,
207.086

■ 63, 23.921,
206.758

■ 64, 19.868,
206.598

■ 66, 15.227,
206.577

■ 67, 10.091,

206.679

■ 69, 4.555, 206.914

Harmonies

Complementary

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



59, 33.451, 210.611



36, 74.867, 40.401

Rectangle

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



59, 33.451, 210.611



59, 33.451, 260.611



59, 33.451, 30.611



59, 33.451, 80.611

Sweetspot

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



59, 33.450, 210.610



83, 19.500, 206.572



61, 86.490, 136.913



44, 13.266, 206.573



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



59, 33.450, 210.610



75, 40.689, 211.180



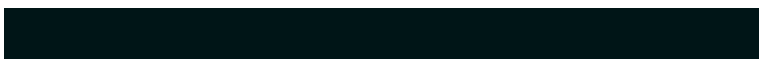
34, 60.959, 290.160



36, 3.323, 206.866



52, 30.559, 210.728



5, 6.980, 210.699

Inverse Universe

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



40, 79.859, 331.767



52, 97.333, 331.923



49, 60.653, 68.581



34, 6.224, 327.285



35, 73.078, 331.812



2, 12.752, 327.893

Previews

White Background



This preview shows how the CIE LCh color 59, 33.451, 210.611 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, 33.451, 210.611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

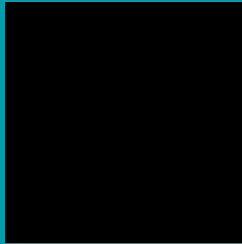
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

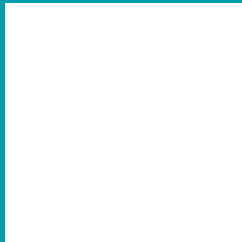
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 59, 33.451, 210.611

Background



This preview shows how black text looks on a background with the CIELCh color 59, 33.451, 210.611.

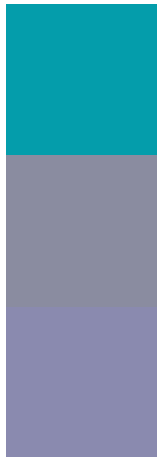


This preview shows how white text looks on a background with the CIELCh color 59, 33.451, 210.611.

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

59, 33.461, 210.599

Protanopia

59, 11.364, 287.779

Deuteranopia

59, 21.023, 292.551



Tritanopia
59, 33.639, 209.487

Trichromacy



Original Color
59, 33.461, 210.599

Protanomaly
57, 20.585, 228.109

Deuteranomaly
57, 23.008, 242.536

Tritanomaly
59, 33.601, 209.505

Monochromacy



Original Color
59, 33.461, 210.599

Achromatopsia
48, 0.006, 296.813

Achromatomaly
50, 19.014, 206.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 33.451, 210.611 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(4, 157, 171)` looks like.

```
.text, #text, p{  
    color:rgb(4, 157, 171)  
}
```

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(4, 157, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 157, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 33.451, 210.611 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(4, 157, 171) }
```

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

```
.border{ border-color:rgb(4, 157, 171) }
```

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

Here you see how a box with a 4 pixel rgb(4, 157, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 157, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 157, 171);  
box-shadow:4px 4px 4px 4px rgb(4, 157,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 33.451, 210.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 157, 171) }
```

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

```
.background{ background-color: rgb(4, 157,  
171) }
```

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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