

Converting Colors

CIELCh(59, 34.651, 230.878)

Have a look what the booklet for
CIELCh(59, 34.651, 230.878)
contains.

CIELCh(59, 34.601, 230.330)	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(59, 34.601, 230.330)

Conversions

Conversions Part 1

Format	Color
Hex	019BBC
RGB	1, 155, 188
RGB Percent	0%, 61%, 74%
CMY	0.9947, 0.3927, 0.2633
CMYK	0.99, 0.18, 0.00, 0.26
HSL	191°, 99%, 37%
HSV	191°, 99%, 74%
XYZ	20.7750, 27.0277, 51.6149
YIQ	112.7160, -102.3770, -22.3850

Conversions

Conversions Part 2

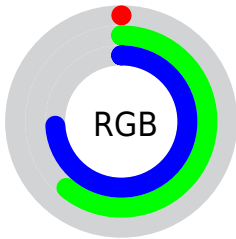
Format	Color
R_{YB}	1, 85, 188
Decimal	105404
CIE _{Lab}	59.00, -22.09, -26.63
CIE _{LCh}	59, 34.601, 230.330
Yxy	27.0277, 0.2090, 0.2719
Android (android.graphics.Color)	4278295484 (0xFF019BBC)
YUV	112.7160, 37.1150, -97.9749
Hunter-Lab	51.9882, -19.6491, -22.4725

Details

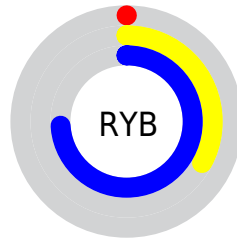
The CIELCh color **59, 34.601, 230.330** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **41, 79.134, 42.709**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **79, 34.572, 229.635**, and **41, 27.816, 240.720** is the 20% darker color. If you saturate the color by 10%, you get **59, 34.648, 230.563**, and if you desaturate by 10%, it is **60, 33.903, 227.140**.

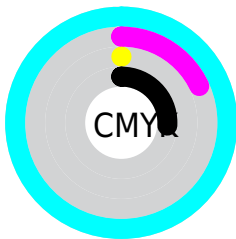
Distribution



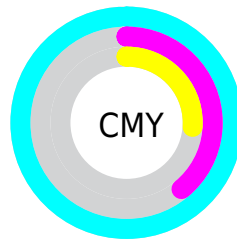
- Red (0%)
- Green (61%)
- Blue (74%)



- Red (0%)
- Yellow (33%)
- Blue (74%)



- Cyan (99%)
- Magenta (18%)
- Yellow (0%)
- Black (26%)





- Cyan (99%)
- Magenta (39%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 34.601, 230.330 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, 34.601, 230.330 by changing the saturation by 10% instead.


 59, 34.601,
230.330


 59, 34.601,
230.330


 100, 34.601,
230.330


 49, 34.601,
230.330


 79, 34.601,
230.330

 39, 34.601,
230.330

 89, 34.601,
230.330

 29, 34.601,
230.330

 99, 34.601,
230.330

 19, 34.601,
230.330

 9, 34.601, 230.330

 0, 34.601, 230.330

■ 59, 34.601,
230.330

■ 59, 34.601,
230.330

■ 59, 34.648,
230.563

■ 60, 33.903,
227.140

■ 61, 32.685,
224.460

■ 63, 30.769,
222.323

■ 64, 28.113,
220.660

■ 66, 24.735,
219.396

■ 68, 20.691,
218.460

■ 70, 16.064,
217.792

■ 72, 10.942,

217.341

■ 74, 5.416, 217.090

Harmonies

Complementary

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



59, 34.601, 230.330



41, 79.134, 42.709

Rectangle

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



59, 34.601, 230.330



59, 34.601, 280.330



59, 34.601, 50.330



59, 34.601, 100.330

Sweetspot

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



59, 34.600, 230.330



88, 20.316, 217.860



67, 90.699, 137.972



46, 13.627, 218.125



98, 0.011, 296.813



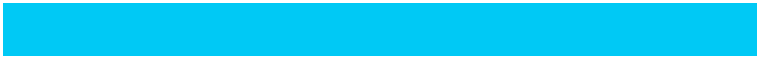
51, 0.007, 296.813

Same Dimension

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



59, 34.600, 230.330



75, 42.294, 231.200



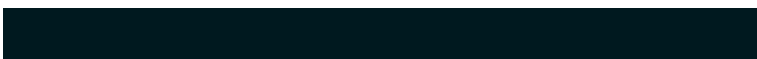
32, 77.232, 296.412



39, 3.320, 217.091



50, 30.487, 230.063



7, 9.581, 224.525

Inverse Universe

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



43, 79.942, 336.730



56, 97.394, 336.965



58, 65.382, 75.769



37, 6.253, 330.272



36, 70.552, 336.663



3, 18.030, 332.976

Previews

White Background



This preview shows how the CIE LCh color 59, 34.601, 230.330 looks on a white background.

Color Contrast Check

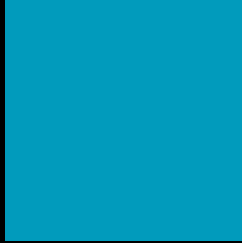
Large Text (above 18pt) WCAG AA ✓ Pass

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, 34.601, 230.330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

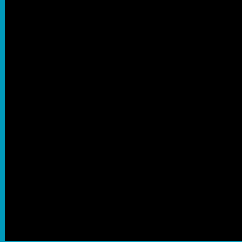
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 34.601, 230.330

Background



This preview shows how black text looks on a background with the CIELCh color 59, 34.601, 230.330.

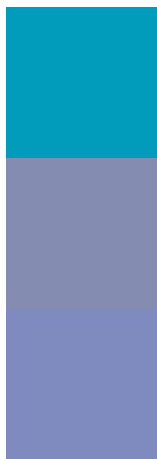


This preview shows how white text looks on a background with the CIELCh color 59, 34.601, 230.330.

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, 34.630, 230.296

Protanopia

59, 21.093, 285.062

Deuteranopia

59, 29.625, 285.938



Tritanopia
59, 33.678, 208.452

Trichromacy



Original Color
59, 34.630, 230.296



Protanomaly
58, 26.582, 249.319



Deuteranomaly
58, 30.491, 256.273



Tritanomaly
59, 33.491, 216.888

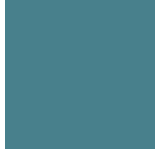
Monochromacy



Original Color
59, 34.630, 230.296



Achromatopsia
48, 0.006, 296.813



Achromatomaly
50, 19.366, 219.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 34.601, 230.330 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(1, 155, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 155, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 34.601, 230.330 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, 188) }
```

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

```
.border{ border-color:rgb(1, 155, 188) }
```

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, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 155, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 155, 188);  
box-shadow:4px 4px 4px 4px rgb(1, 155,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 34.601, 230.330 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, 188) }
```

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

```
.background{ background-color: rgb(1, 155,  
188) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor