

Converting Colors

CIELCh(59, 35.228, 233.206)

Have a look what the booklet for
CIELCh(59, 35.228, 233.206)
contains.

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Color

CIELCh(59, 35.190, 233.145)

Conversions

Conversions Part 1

Format	Color
Hex	009BBF
RGB	0, 155, 191
RGB Percent	0%, 61%, 75%
CMY	1.0000, 0.3938, 0.2527
CMYK	1.00, 0.19, 0.00, 0.25
HSL	191°, 100%, 37%
HSV	191°, 100%, 75%
XYZ	20.9787, 27.0277, 53.1429
YIQ	112.7590, -103.9360, -21.6640

Conversions

Conversions Part 2

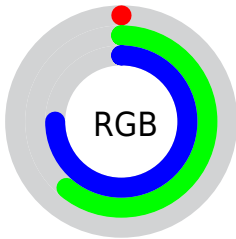
Format	Color
RYB	0, 86, 191
Decimal	39871
CIELab	59.00, -21.11, -28.16
CIELCh	59, 35.190, 233.145
Yxy	27.0277, 0.2074, 0.2672
Android (android.graphics.Color)	4278229951 (0xFF009BBF)
YUV	112.7590, 38.5728, -98.8896
Hunter-Lab	51.9882, -18.9496, -24.2152

Details

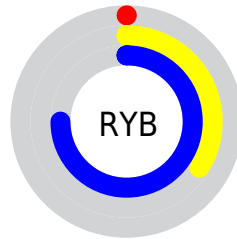
The CIELCh color **59, 35.190, 233.145** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **42, 80.134, 43.118**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **79, 35.134, 232.250**, and **41, 28.391, 243.124** is the 20% darker color. If you saturate the color by 10%, you get **59, 35.132, 233.215**, and if you desaturate by 10%, it is **60, 34.358, 229.770**.

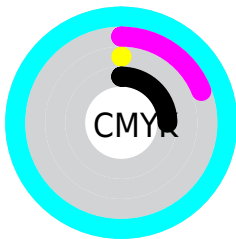
Distribution



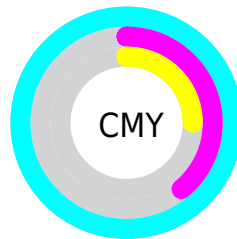
- Red (0%)
- Green (61%)
- Blue (75%)



- Red (0%)
- Yellow (34%)
- Blue (75%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (39%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 35.190, 233.145 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, 35.190, 233.145 by changing the saturation by 10% instead.


 59, 35.190,
233.145


 59, 35.190,
233.145


 100, 35.190,
233.145


 49, 35.190,
233.145


 79, 35.190,
233.145

 39, 35.190,
233.145

 89, 35.190,
233.145

 29, 35.190,
233.145

 99, 35.190,
233.145

 19, 35.190,
233.145

 9, 35.190, 233.145

 0, 35.190, 233.145

■ 59, 35.190,
233.145

■ 59, 35.190,
233.145

■ 59, 35.132,
233.215

■ 60, 34.358,
229.770

■ 62, 33.111,
226.835

■ 63, 31.187,
224.480

■ 65, 28.534,
222.634

■ 66, 25.162,
221.219

■ 68, 21.126,
220.158

■ 70, 16.502,
219.384

■ 73, 11.382,

218.844

■ 75, 5.854, 218.512

Harmonies

Complementary

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



59, 35.190, 233.145



42, 80.134, 43.118

Rectangle

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



59, 35.190, 233.145



59, 35.190, 283.145



59, 35.190, 53.145



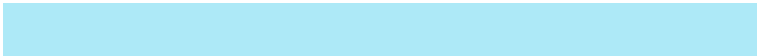
59, 35.190, 103.145

Sweetspot

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



59, 35.132, 233.215



89, 20.360, 219.415



67, 91.299, 138.189



47, 13.773, 219.719



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



59, 35.132, 233.215



75, 42.788, 233.877



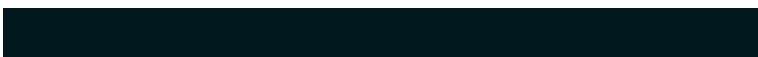
32, 80.822, 297.580



39, 3.297, 218.499



49, 30.572, 232.641



7, 9.532, 226.654

Inverse Universe

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



43, 80.132, 337.508



56, 97.263, 337.689



59, 66.384, 77.151



37, 6.201, 330.684



36, 69.928, 337.352



3, 17.819, 333.609

Previews

White Background



This preview shows how the CIE LCh color 59, 35.190, 233.145 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, 35.190, 233.145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

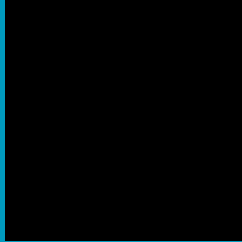
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 35.190, 233.145

Background



This preview shows how black text looks on a background with the CIELCh color 59, 35.190, 233.145.

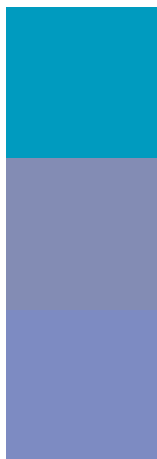


This preview shows how white text looks on a background with the CIELCh color 59, 35.190, 233.145.

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, 35.190, 233.145

Protanopia

59, 22.804, 285.034

Deuteranopia

59, 31.358, 285.471



Tritanopia
59, 33.678, 208.452

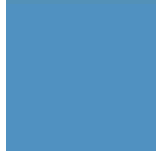
Trichromacy



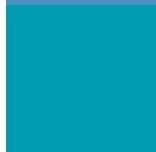
Original Color
59, 35.190, 233.145



Protanomaly
58, 27.850, 251.826



Deuteranomaly
58, 31.857, 258.252



Tritanomaly
59, 33.532, 217.930

Monochromacy



Original Color
59, 35.190, 233.145



Achromatopsia
47, 0.006, 296.813



Achromatomaly
50, 19.617, 222.667

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 35.190, 233.145 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, 155, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 191)  
}
```

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, 155, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 35.190, 233.145 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, 155, 191) }
```

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

```
.border{ border-color:rgb(0, 155, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 155, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 35.190, 233.145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 191) }
```

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

```
.background{ background-color: rgb(0, 155,  
191) }
```

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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