

Converting Colors

CIELCh(52, 79.597, 205.726)

Have a look what the booklet for
CIELCh(52, 79.597, 205.726)
contains.

CIELCh(58, 33.801, 226.647)	3
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Color

CIELCh(58, 33.801, 226.647)

Conversions

Conversions Part 1

Format	Color
Hex	0099B5
RGB	0, 153, 181
RGB Percent	0%, 60%, 71%
CMY	1.0000, 0.4020, 0.2883
CMYK	1.00, 0.16, 0.00, 0.29
HSL	190°, 100%, 36%
HSV	190°, 100%, 71%
XYZ	19.6722, 25.9610, 47.9521
YIQ	110.4450, -100.1760, -23.7280

Conversions

Conversions Part 2

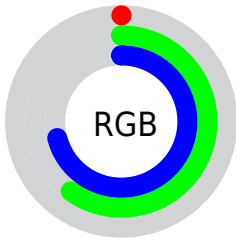
Format	Color
RYB	0, 83, 181
Decimal	39349
CIELab	58.00, -23.20, -24.58
CIELCh	58, 33.801, 226.647
Yxy	25.9610, 0.2102, 0.2774
Android (android.graphics.Color)	4278229429 (0xFF0099B5)
YUV	110.4450, 34.7836, -96.8603
Hunter-Lab	50.9519, -20.2482, -20.1329

Details

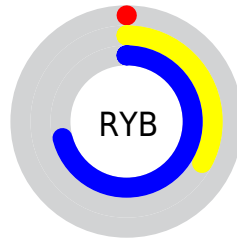
The CIELCh color **58, 33.801, 226.647** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **39, 78.053, 42.415**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 33.741, 225.196**, and **40, 26.318, 234.904** is the 20% darker color. If you saturate the color by 10%, you get **58, 33.730, 226.719**, and if you desaturate by 10%, it is **59, 33.155, 223.879**.

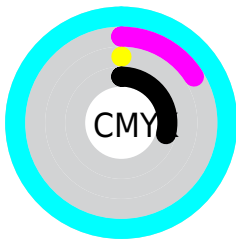
Distribution



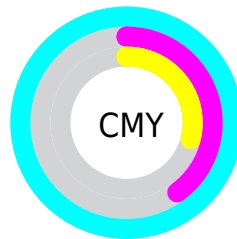
- Red (0%)
- Green (60%)
- Blue (71%)



- Red (0%)
- Yellow (33%)
- Blue (71%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (29%)





- Cyan (100%)
- Magenta (40%)
- Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 33.801, 226.647 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, 33.801, 226.647 by changing the saturation by 10% instead.


 58, 33.801,
226.647

 58, 33.801,
226.647


 100, 33.801,
226.647


 48, 33.801,
226.647


 78, 33.801,
226.647

 38, 33.801,
226.647

 88, 33.801,
226.647

 28, 33.801,
226.647

 98, 33.801,
226.647

 18, 33.801,
226.647

 8, 33.801, 226.647

 0, 33.801, 226.647

■ 58, 33.801,
226.647

■ 58, 33.801,
226.647

■ 58, 33.730,
226.719

■ 59, 33.155,
223.879

■ 60, 32.078,
221.479

■ 61, 30.298,
219.574

■ 63, 27.778,
218.102

■ 64, 24.535,
216.995

■ 66, 20.625,
216.190

■ 68, 16.127,
215.630

■ 70, 11.131,

215.272

■ 72, 5.728, 215.097

Harmonies

Complementary

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



58, 33.801, 226.647



39, 78.053, 42.415

Rectangle

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



58, 33.801, 226.647



58, 33.801, 276.647



58, 33.801, 46.647



58, 33.801, 96.647

Sweetspot

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



58, 33.730, 226.719



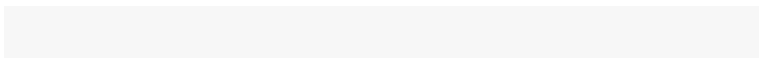
86, 20.004, 215.653



64, 89.214, 137.639



45, 13.529, 215.867



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



58, 33.730, 226.719



74, 41.212, 227.314



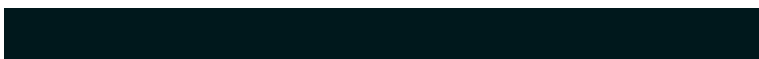
32, 73.662, 295.594



38, 3.281, 215.094



50, 30.103, 226.310



7, 8.680, 222.558

Inverse Universe

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



41, 79.039, 335.790



54, 96.378, 335.944



55, 63.904, 74.113



36, 6.188, 329.689



35, 70.635, 335.685



3, 16.000, 331.844

Previews

White Background



This preview shows how the CIE LCh color 58, 33.801, 226.647 looks on a white background.

Color Contrast Check

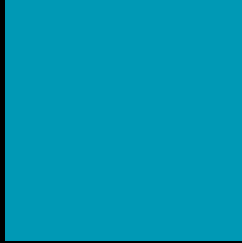
Large Text (above 18pt) WCAG AA ✓ Pass

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, 33.801, 226.647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

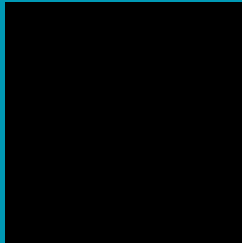
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 33.801, 226.647

Background



This preview shows how black text looks on a background with the CIELCh color 58, 33.801, 226.647.



This preview shows how white text looks on a background with the CIELCh color 58, 33.801, 226.647.

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

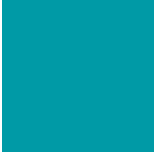
58, 33.676, 225.627

Protanopia

58, 19.423, 286.215

Deuteranopia

58, 27.402, 286.356



Tritanopia
58, 33.195, 208.673

Trichromacy



Original Color
58, 33.676, 225.627



Protanomaly
57, 25.020, 245.640



Deuteranomaly
57, 28.646, 253.800



Tritanomaly
58, 32.996, 216.200

Monochromacy



Original Color
58, 33.676, 225.627



Achromatopsia
46, 0.006, 296.813



Achromatomaly
49, 19.004, 217.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 33.801, 226.647 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, 153, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 181)  
}
```

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, 153, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 33.801, 226.647 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, 153, 181) }
```

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

```
.border{ border-color:rgb(0, 153, 181) }
```

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

Here you see how a box with a 4 pixel rgb(0, 153, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 33.801, 226.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 181) }
```

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

```
.background{ background-color: rgb(0, 153,  
181) }
```

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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