

Converting Colors

CIELCh(58, 34.551, 233.642)

Have a look what the booklet for
CIELCh(58, 34.551, 233.642)
contains.

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Color

CIELCh(58, 34.475, 232.979)

Conversions

Conversions Part 1

Format	Color
Hex	0498BB
RGB	4, 152, 187
RGB Percent	2%, 60%, 73%
CMY	0.9855, 0.4051, 0.2678
CMYK	0.98, 0.19, 0.00, 0.27
HSL	191°, 96%, 37%
HSV	191°, 98%, 73%
XYZ	20.1644, 25.9610, 50.7929
YIQ	111.7380, -99.4430, -20.4910

Conversions

Conversions Part 2

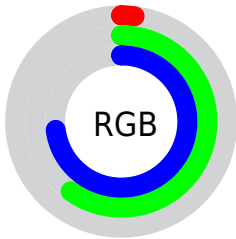
Format	Color
RYB	4, 86, 187
Decimal	301243
CIELab	58.00, -20.76, -27.53
CIELCh	58, 34.475, 232.979
Yxy	25.9610, 0.2081, 0.2679
Android (android.graphics.Color)	4278491323 (0xFF0498BB)
YUV	111.7380, 37.1042, -94.4862
Hunter-Lab	50.9519, -18.5238, -23.4385

Details

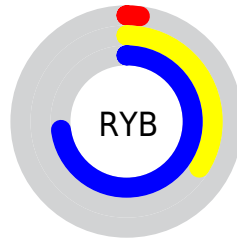
The CIELCh color **58, 34.475, 232.979** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **41, 77.450, 43.013**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 34.474, 233.181**, and **40, 28.068, 244.129** is the 20% darker color. If you saturate the color by 10%, you get **58, 34.628, 233.672**, and if you desaturate by 10%, it is **59, 33.638, 229.565**.

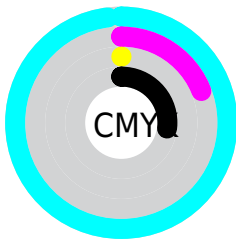
Distribution



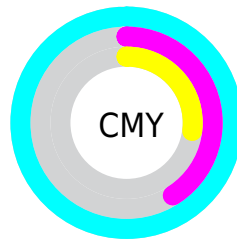
- Red (2%)
- Green (60%)
- Blue (73%)



- Red (2%)
- Yellow (34%)
- Blue (73%)



- Cyan (98%)
- Magenta (19%)
- Yellow (0%)
- Black (27%)





- Cyan (99%)
- Magenta (41%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 34.475, 232.979 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, 34.475, 232.979 by changing the saturation by 10% instead.


 58, 34.475,
232.979


 58, 34.475,
232.979


 100, 34.475,
232.979


 48, 34.475,
232.979


 78, 34.475,
232.979

 38, 34.475,
232.979

 88, 34.475,
232.979

 28, 34.475,
232.979

 98, 34.475,
232.979

 18, 34.475,
232.979

 8, 34.475, 232.979

 0, 34.475, 232.979

■ 58, 34.475,
232.979

■ 58, 34.475,
232.979

■ 58, 34.628,
233.672

■ 59, 33.638,
229.565

■ 61, 32.267,
226.722

■ 62, 30.218,
224.449

■ 64, 27.454,
222.674

■ 66, 23.997,
221.316

■ 67, 19.903,
220.301

■ 69, 15.253,
219.562

■ 72, 10.134,

219.052

■ 74, 4.634, 218.756

Harmonies

Complementary

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



58, 34.475, 232.979



41, 77.450, 43.013

Rectangle

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



58, 34.475, 232.979



58, 34.475, 282.979



58, 34.475, 52.979



58, 34.475, 102.979

Sweetspot

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



58, 34.474, 232.979



88, 19.405, 219.655



66, 89.062, 138.459



46, 13.206, 219.956



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



58, 34.474, 232.979



73, 42.156, 234.353



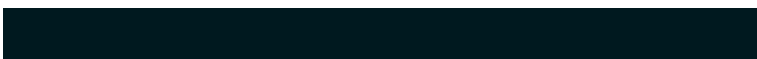
32, 77.800, 296.907



39, 3.292, 218.780



49, 30.595, 233.150



7, 9.524, 227.074

Inverse Universe

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



43, 78.618, 337.435



55, 95.586, 337.820



58, 64.839, 77.628



37, 6.190, 330.766



36, 69.806, 337.490



3, 17.778, 333.735

Previews

White Background



This preview shows how the CIE LCh color 58, 34.475, 232.979 looks on a white background.

Color Contrast Check

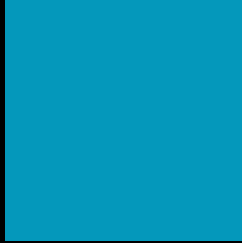
Large Text (above 18pt) WCAG AA ✓ Pass

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, 34.475, 232.979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

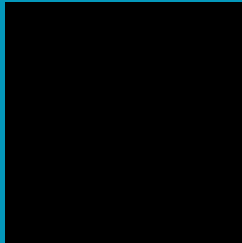
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 34.475, 232.979

Background



This preview shows how black text looks on a background with the CIELCh color 58, 34.475, 232.979.

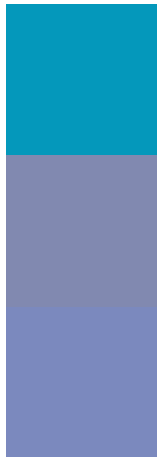


This preview shows how white text looks on a background with the CIELCh color 58, 34.475, 232.979.

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, 34.504, 232.943

Protanopia

58, 22.296, 285.676

Deuteranopia

58, 30.324, 285.058



Tritanopia
58, 33.195, 208.673

Trichromacy



Original Color
58, 34.504, 232.943

Protanomaly
57, 27.076, 252.299

Deuteranomaly
57, 31.143, 258.788

Tritanomaly
58, 33.041, 218.350

Monochromacy



Original Color
58, 34.504, 232.943

Achromatopsia
47, 0.006, 296.813

Achromatomaly
50, 19.004, 221.617

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 34.475, 232.979 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, 152, 187)` looks like.

```
.text, #text, p{  
    color:rgb(4, 152, 187)  
}
```

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, 152, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 152, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 34.475, 232.979 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, 152, 187) }
```

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

```
.border{ border-color:rgb(4, 152, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 152, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 152, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 152, 187);  
box-shadow:4px 4px 4px 4px rgb(4, 152,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 34.475, 232.979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 152, 187) }
```

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

```
.background{ background-color: rgb(4, 152,  
187) }
```

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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