

Converting Colors

CIELCh(57, 38.991, 228.393)

Have a look what the booklet for
CIELCh(57, 38.991, 228.393)
contains.

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Color

CIELCh(58, 34.688, 233.967)

Conversions

Conversions Part 1

Format	Color
Hex	0398BC
RGB	3, 152, 188
RGB Percent	1%, 60%, 74%
CMY	0.9889, 0.4055, 0.2642
CMYK	0.98, 0.19, 0.00, 0.26
HSL	192°, 97%, 37%
HSV	192°, 98%, 74%
XYZ	20.2360, 25.9610, 51.3114
YIQ	111.5530, -100.3600, -20.3920

Conversions

Conversions Part 2

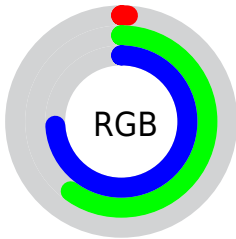
Format	Color
R_{YB}	3, 86, 188
Decimal	235708
CIE _{Lab}	58.00, -20.41, -28.05
CIE _{LCh}	58, 34.688, 233.967
Yxy	25.9610, 0.2075, 0.2662
Android (android.graphics.Color)	4278425788 (0xFF0398BC)
YUV	111.5530, 37.6884, -95.2010
Hunter-Lab	50.9519, -18.2731, -24.0420

Details

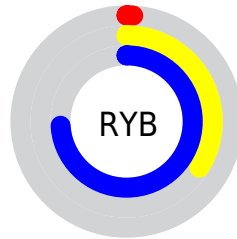
The CIELCh color **58, 34.688, 233.967** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **41, 77.953, 43.167**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 34.686, 234.047**, and **40, 28.382, 245.304** is the 20% darker color. If you saturate the color by 10%, you get **58, 34.810, 234.504**, and if you desaturate by 10%, it is **59, 33.833, 230.465**.

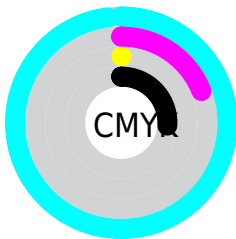
Distribution



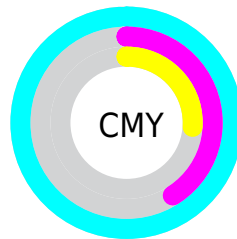
- Red (1%)
- Green (60%)
- Blue (74%)



- Red (1%)
- Yellow (34%)
- Blue (74%)



- Cyan (98%)
- Magenta (19%)
- Yellow (0%)
- Black (26%)




- Cyan (99%)
- Magenta (41%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 34.688, 233.967 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, 34.688, 233.967 by changing the saturation by 10% instead.


 58, 34.688,
233.967

 58, 34.688,
233.967


 100, 34.688,
233.967


 48, 34.688,
233.967


 78, 34.688,
233.967

 38, 34.688,
233.967

 88, 34.688,
233.967

 28, 34.688,
233.967

 98, 34.688,
233.967

 18, 34.688,
233.967

 8, 34.688, 233.967

 0, 34.688, 233.967

■ 58, 34.688,
233.967

■ 58, 34.688,
233.967

■ 58, 34.810,
234.504

■ 59, 33.833,
230.465

■ 61, 32.466,
227.529

■ 62, 30.429,
225.176

■ 64, 27.681,
223.333

■ 66, 24.240,
221.919

■ 68, 20.160,
220.857

■ 70, 15.521,
220.080

■ 72, 10.410,

219.536

■ 74, 4.914, 219.208

Harmonies

Complementary

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



58, 34.688, 233.967



41, 77.953, 43.167

Rectangle

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



58, 34.688, 233.967



58, 34.688, 283.967



58, 34.688, 53.967



58, 34.688, 103.967

Sweetspot

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



58, 34.687, 233.967



88, 20.133, 220.215



66, 89.605, 138.392



46, 13.509, 220.532



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, 34.687, 233.967



74, 42.565, 235.207



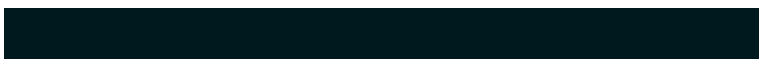
32, 78.525, 297.072



39, 3.286, 219.226



49, 30.637, 233.957



7, 9.513, 227.739

Inverse Universe

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



43, 78.732, 337.707



55, 96.066, 338.056



58, 65.210, 77.513



37, 6.174, 330.896



36, 69.613, 337.711



3, 17.713, 333.935

Previews

White Background



This preview shows how the CIE LCh color 58, 34.688, 233.967 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, 34.688, 233.967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

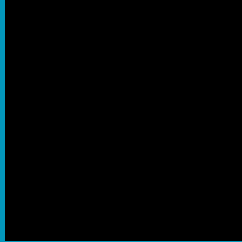
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 34.688, 233.967

Background



This preview shows how black text looks on a background with the CIELCh color 58, 34.688, 233.967.

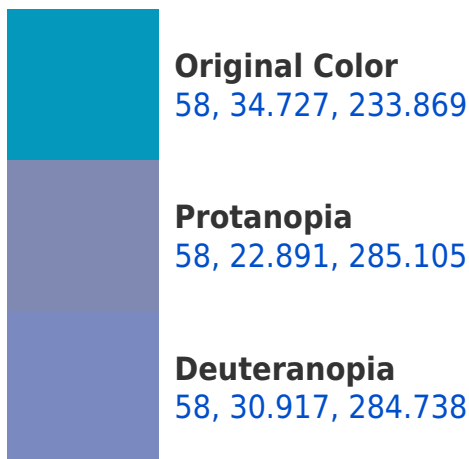


This preview shows how white text looks on a background with the CIELCh color 58, 34.688, 233.967.

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





Tritanopia
58, 33.195, 208.673

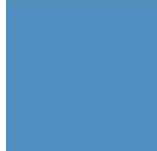
Trichromacy



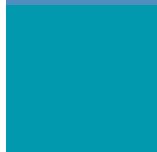
Original Color
58, 34.727, 233.869



Protanomaly
57, 27.603, 252.838



Deuteranomaly
57, 31.681, 259.192



Tritanomaly
58, 33.041, 218.350

Monochromacy



Original Color
58, 34.727, 233.869



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, 34.688, 233.967 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(3, 152, 188)` looks like.

```
.text, #text, p{  
    color:rgb(3, 152, 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(3, 152, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 152, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 34.688, 233.967 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(3, 152, 188) }
```

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

```
.border{ border-color:rgb(3, 152, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 152, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 152, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 152, 188);  
box-shadow:4px 4px 4px 4px rgb(3, 152,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 34.688, 233.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 152, 188) }
```

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

```
.background{ background-color: rgb(3, 152,  
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](#).

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