

Converting Colors

CIELCh(57, 39.259, 215.689)

Have a look what the booklet for
CIELCh(57, 39.259, 215.689)
contains.

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Color

CIELCh(58, 33.198, 220.434)

Conversions

Conversions Part 1

Format	Color
Hex	0199B0
RGB	1, 153, 176
RGB Percent	0%, 60%, 69%
CMY	0.9980, 0.3996, 0.3094
CMYK	1.00, 0.13, 0.00, 0.31
HSL	188°, 99%, 35%
HSV	188°, 100%, 69%
XYZ	19.2631, 25.9610, 45.1290
YIQ	110.1740, -97.9750, -25.0710

Conversions

Conversions Part 2

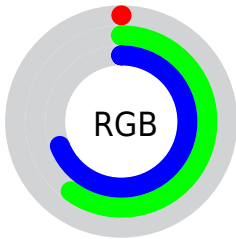
Format	Color
R_{YB}	1, 82, 176
Decimal	104880
CIE _{Lab}	58.00, -25.27, -21.53
CIE _{LCh}	58, 33.198, 220.434
Yxy	25.9610, 0.2132, 0.2873
Android (android.graphics.Color)	4278294960 (0xFF0199B0)
YUV	110.1740, 32.4522, -95.7456
Hunter-Lab	50.9519, -21.6815, -16.8478

Details

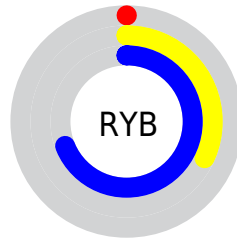
The CIELCh color **58, 33.198, 220.434** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **38, 76.823, 41.739**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 33.153, 220.474**, and **39, 25.380, 227.892** is the 20% darker color. If you saturate the color by 10%, you get **58, 33.210, 220.498**, and if you desaturate by 10%, it is **59, 32.729, 218.205**.

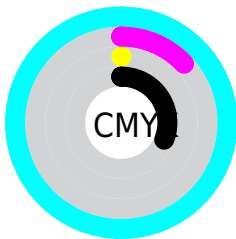
Distribution



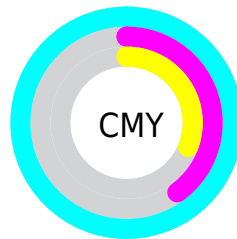
- Red (0%)
- Green (60%)
- Blue (69%)



- Red (0%)
- Yellow (32%)
- Blue (69%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (31%)





- Cyan (100%)
- Magenta (40%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 33.198, 220.434 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, 33.198, 220.434 by changing the saturation by 10% instead.


 58, 33.198,
220.434


 58, 33.198,
220.434


 100, 33.198,
220.434


 48, 33.198,
220.434


 78, 33.198,
220.434

 38, 33.198,
220.434

 88, 33.198,
220.434

 28, 33.198,
220.434

 98, 33.198,
220.434

 18, 33.198,
220.434

 8, 33.198, 220.434

 0, 33.198, 220.434

■ 58, 33.198,
220.434

■ 58, 33.198,
220.434

■ 58, 33.210,
220.498

■ 59, 32.729,
218.205

■ 60, 31.720,
216.342

■ 61, 29.987,
214.884

■ 62, 27.501,
213.779

■ 63, 24.285,
212.973

■ 65, 20.396,
212.416

■ 66, 15.916,
212.064

■ 68, 10.935,

211.882

■ 70, 5.546, 211.861

Harmonies

Complementary

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



58, 33.198, 220.434



38, 76.823, 41.739

Rectangle

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



58, 33.198, 220.434



58, 33.198, 270.434



58, 33.198, 40.434



58, 33.198, 90.434

Sweetspot

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



58, 33.197, 220.434



84, 19.867, 212.086



63, 88.162, 137.185



44, 13.317, 212.214



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



58, 33.197, 220.434



74, 40.443, 220.981



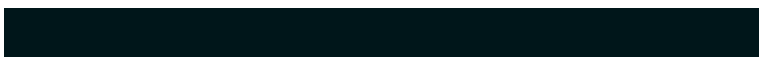
32, 67.714, 293.313



37, 3.273, 211.864



51, 29.957, 220.195



6, 7.779, 218.251

Inverse Universe

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



41, 79.005, 334.199



53, 96.176, 334.337



52, 62.488, 71.131



35, 6.169, 328.748



35, 71.336, 334.141



2, 14.232, 330.211

Previews

White Background



This preview shows how the CIE LCh color 58, 33.198, 220.434 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, 33.198, 220.434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

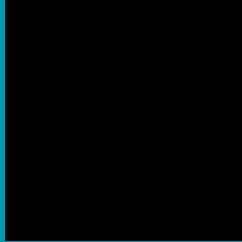
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 33.198, 220.434

Background



This preview shows how black text looks on a background with the CIELCh color 58, 33.198, 220.434.



This preview shows how white text looks on a background with the CIELCh color 58, 33.198, 220.434.

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, 33.163, 220.462

Protanopia

58, 15.983, 286.891

Deuteranopia

58, 25.088, 288.403



Tritanopia
58, 33.158, 209.728

Trichromacy



Original Color
58, 33.163, 220.462



Protanomaly
57, 22.769, 239.246



Deuteranomaly
57, 26.689, 251.338



Tritanomaly
58, 33.109, 212.903

Monochromacy



Original Color
58, 33.163, 220.462



Achromatopsia
46, 0.006, 296.813



Achromatomaly
49, 19.048, 211.986

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 33.198, 220.434 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, 153, 176)` looks like.

```
.text, #text, p{  
    color:rgb(1, 153, 176)  
}
```

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, 153, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 153, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 33.198, 220.434 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, 153, 176) }
```

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

```
.border{ border-color:rgb(1, 153, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 153, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 153, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 153, 176);  
box-shadow:4px 4px 4px 4px rgb(1, 153,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 33.198, 220.434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 153, 176) }
```

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

```
.background{ background-color: rgb(1, 153,  
176) }
```

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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