

Converting Colors

CIELCh(54, 65.015, 204.965)

Have a look what the booklet for
CIELCh(54, 65.015, 204.965)
contains.

CIELCh(58, 33.228, 218.191)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(58, 33.228, 218.191)

Conversions

Conversions Part 1

Format	Color
Hex	0099AE
RGB	0, 153, 174
RGB Percent	0%, 60%, 68%
CMY	1.0000, 0.3985, 0.3162
CMYK	1.00, 0.12, 0.00, 0.32
HSL	187°, 100%, 34%
HSV	187°, 100%, 68%
XYZ	19.0969, 25.9610, 44.2389
YIQ	109.6470, -97.9290, -25.9050

Conversions

Conversions Part 2

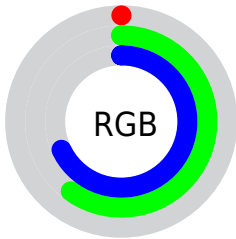
Format	Color
RYB	0, 81, 174
Decimal	39342
CIELab	58.00, -26.12, -20.54
CIELCh	58, 33.228, 218.191
Yxy	25.9610, 0.2139, 0.2907
Android (android.graphics.Color)	4278229422 (0xFF0099AE)
YUV	109.6470, 31.7260, -96.1604
Hunter-Lab	50.9519, -22.2636, -15.8121

Details

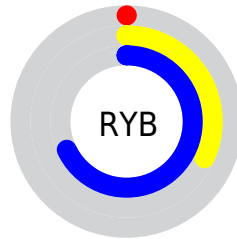
The CIELCh color **58, 33.228, 218.191** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **37, 76.671, 41.597**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 33.148, 218.420**, and **39, 25.235, 226.434** is the 20% darker color. If you saturate the color by 10%, you get **58, 33.134, 218.260**, and if you desaturate by 10%, it is **59, 32.696, 216.249**.

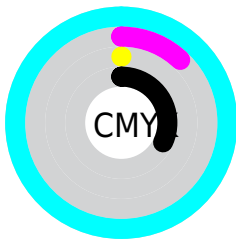
Distribution



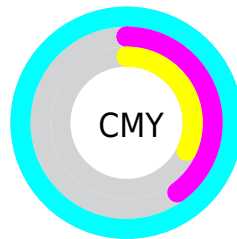
- Red (0%)
- Green (60%)
- Blue (68%)



- Red (0%)
- Yellow (32%)
- Blue (68%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (32%)





- Cyan (100%)
- Magenta (40%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 33.228, 218.191 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, 33.228, 218.191 by changing the saturation by 10% instead.


 58, 33.228,
218.191


 58, 33.228,
218.191


 100, 33.228,
218.191


 48, 33.228,
218.191


 78, 33.228,
218.191

 38, 33.228,
218.191

 88, 33.228,
218.191

 28, 33.228,
218.191

 98, 33.228,
218.191

 18, 33.228,
218.191

 8, 33.228, 218.191

 0, 33.228, 218.191

■ 58, 33.228,
218.191

■ 58, 33.228,
218.191

■ 58, 33.134,
218.260

■ 59, 32.696,
216.249

■ 60, 31.724,
214.565

■ 61, 30.024,
213.253

■ 62, 27.569,
212.266

■ 63, 24.380,
211.557

■ 64, 20.514,
211.081

■ 66, 16.052,
210.796

■ 68, 11.086,

210.671

■ 69, 5.707, 210.697

Harmonies

Complementary

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



58, 33.228, 218.191



37, 76.671, 41.597

Rectangle

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



58, 33.228, 218.191



58, 33.228, 268.191



58, 33.228, 38.191



58, 33.228, 88.191

Sweetspot

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



58, 33.134, 218.260



84, 19.848, 210.806



62, 87.586, 137.172



44, 13.424, 210.907



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, 33.134, 218.260



74, 40.301, 218.699



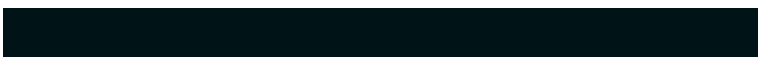
32, 67.376, 293.382



36, 3.222, 210.706



50, 29.746, 217.968



5, 6.732, 216.074

Inverse Universe

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



40, 79.115, 333.662



52, 96.176, 333.770



51, 62.130, 71.091



34, 6.067, 328.408



34, 71.048, 333.589



2, 12.310, 329.500

Previews

White Background



This preview shows how the CIE LCh color 58, 33.228, 218.191 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, 33.228, 218.191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

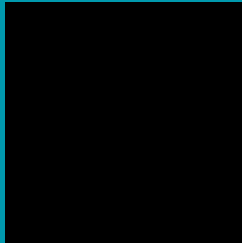
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 33.228, 218.191

Background



This preview shows how black text looks on a background with the CIELCh color 58, 33.228, 218.191.

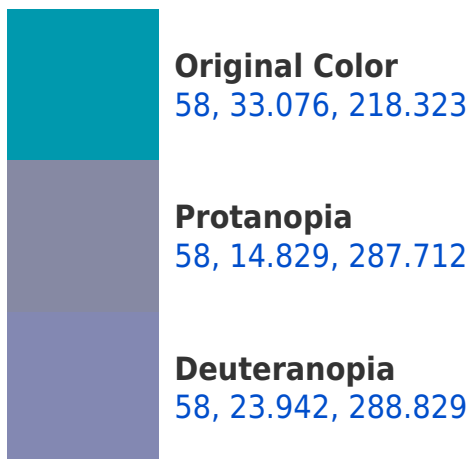


This preview shows how white text looks on a background with the CIELCh color 58, 33.228, 218.191.

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, 33.158, 209.728

Trichromacy



Original Color
58, 33.076, 218.323



Protanomaly
56, 22.206, 236.584



Deuteranomaly
56, 25.936, 249.336



Tritanomaly
58, 33.109, 212.903

Monochromacy



Original Color
58, 33.076, 218.323



Achromatopsia
46, 0.006, 296.813



Achromatomaly
49, 19.015, 210.156

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 33.228, 218.191 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 33.228, 218.191 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, 174) }
```

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

```
.border{ border-color:rgb(0, 153, 174) }
```

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, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 174);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 33.228, 218.191 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, 174) }
```

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

```
.background{ background-color: rgb(0, 153,  
174) }
```

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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