

Converting Colors

CIELCh(58, 33.793, 203.751)

Have a look what the booklet for
CIELCh(58, 33.793, 203.751)
contains.

CIELCh(58, 33.690, 203.409)	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, 33.690, 203.409)

Conversions

Conversions Part 1

Format	Color
Hex	009BA2
RGB	0, 155, 162
RGB Percent	0%, 61%, 64%
CMY	1.0000, 0.3930, 0.3656
CMYK	1.00, 0.04, 0.00, 0.37
HSL	183°, 100%, 32%
HSV	183°, 100%, 63%
XYZ	18.1729, 25.9610, 38.1293
YIQ	109.4530, -94.6270, -30.6830

Conversions

Conversions Part 2

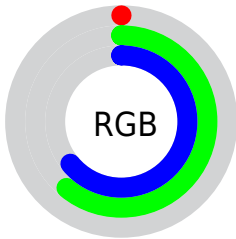
Format	Color
RYB	0, 79, 162
Decimal	39842
CIELab	58.00, -30.92, -13.38
CIELCh	58, 33.690, 203.409
Yxy	25.9610, 0.2209, 0.3156
Android (android.graphics.Color)	4278229922 (0xFF009BA2)
YUV	109.4530, 25.9057, -95.9903
Hunter-Lab	50.9519, -25.5006, -8.7027

Details

The CIELCh color **58, 33.690, 203.409** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **34, 73.541, 40.332**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 33.755, 203.533**, and **39, 24.929, 206.625** is the 20% darker color. If you saturate the color by 10%, you get **58, 33.653, 203.418**, and if you desaturate by 10%, it is **58, 33.140, 202.858**.

Distribution



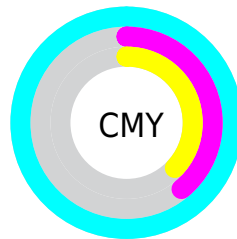
- Red (0%)
- Green (61%)
- Blue (64%)



- Red (0%)
- Yellow (31%)
- Blue (64%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (37%)





- Cyan (100%)
- Magenta (39%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 33.690, 203.409 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, 33.690, 203.409 by changing the saturation by 10% instead.

 58, 33.690,
203.409


 58, 33.690,
203.409


 100, 33.690,
203.409


 48, 33.690,
203.409


 78, 33.690,
203.409

 38, 33.690,
203.409

 88, 33.690,
203.409

 28, 33.690,
203.409

 98, 33.690,
203.409

 18, 33.690,
203.409

 8, 33.690, 203.409

 0, 33.690, 203.409

■ 58, 33.690,
203.409

■ 58, 33.690,
203.409

■ 58, 33.653,
203.418

■ 58, 33.140,
202.858

■ 59, 32.098,
202.416

■ 59, 30.336,
202.124

■ 60, 27.829,
201.970

■ 61, 24.595,
201.944

■ 62, 20.688,
202.032

■ 63, 16.185,
202.219

■ 64, 11.175,

202.496

■ 65, 5.750, 202.867

Harmonies

Complementary

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



58, 33.690, 203.409



34, 73.541, 40.332

Rectangle

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



58, 33.690, 203.409



58, 33.690, 253.409



58, 33.690, 23.409



58, 33.690, 73.409

Sweetspot

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



58, 33.653, 203.418



79, 19.903, 202.206



58, 84.567, 136.333



41, 13.338, 202.123



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



58, 33.653, 203.418



74, 40.685, 203.556



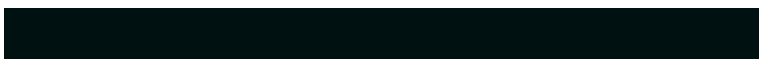
33, 54.321, 286.702



34, 3.282, 202.900



52, 31.128, 203.351



4, 5.165, 204.468

Inverse Universe

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



38, 79.512, 330.012



49, 96.159, 330.046



45, 59.807, 63.810



32, 6.086, 326.103



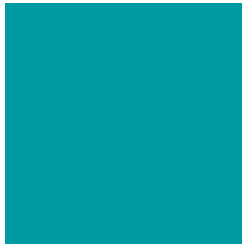
34, 73.534, 329.995



2, 9.332, 326.009

Previews

White Background



This preview shows how the CIELCh color 58, 33.690, 203.409 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, 33.690, 203.409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

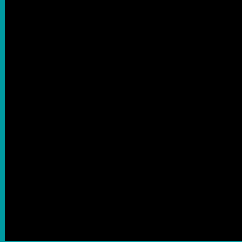
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 33.690, 203.409

Background



This preview shows how black text looks on a background with the CIELCh color 58, 33.690, 203.409.

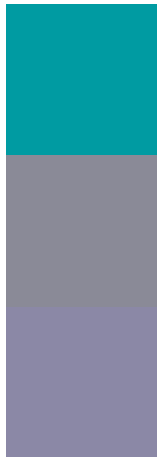


This preview shows how white text looks on a background with the CIELCh color 58, 33.690, 203.409.

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, 33.690, 203.409

Protanopia

58, 7.402, 291.041

Deuteranopia

58, 17.151, 295.741



Tritanopia
58, 32.275, 210.159

Trichromacy



Original Color
58, 33.690, 203.409

Protanomaly
56, 19.304, 216.989

Deuteranomaly
56, 20.816, 233.596

Tritanomaly
58, 32.723, 207.838

Monochromacy



Original Color
58, 33.690, 203.409

Achromatopsia
46, 0.006, 296.813

Achromatomaly
49, 19.386, 200.937

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 33.690, 203.409 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, 155, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 162)  
}
```

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, 155, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 33.690, 203.409 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, 155, 162) }
```

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

```
.border{ border-color:rgb(0, 155, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 155, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 33.690, 203.409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 162) }
```

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

```
.background{ background-color: rgb(0, 155,  
162) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor