

Converting Colors

CIELCh(58, 33.841, 200.379)

Have a look what the booklet for
CIELCh(58, 33.841, 200.379)
contains.

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Color

CIELCh(58, 33.841, 200.389)

Conversions

Conversions Part 1

Format	Color
Hex	049B9F
RGB	4, 155, 159
RGB Percent	2%, 61%, 62%
CMY	0.9846, 0.3923, 0.3766
CMYK	0.98, 0.03, 0.00, 0.38
HSL	182°, 95%, 32%
HSV	182°, 98%, 62%
XYZ	18.0212, 25.9610, 36.8498
YIQ	110.3070, -91.2800, -30.7680

Conversions

Conversions Part 2

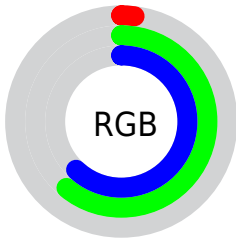
Format	Color
RYB	4, 80, 159
Decimal	301983
CIELab	58.00, -31.72, -11.79
CIELCh	58, 33.841, 200.389
Yxy	25.9610, 0.2229, 0.3212
Android (android.graphics.Color)	4278492063 (0xFF049B9F)
YUV	110.3070, 24.0056, -93.2312
Hunter-Lab	50.9519, -26.0320, -7.2138

Details

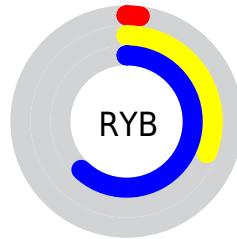
The CIELCh color **58, 33.841, 200.389** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **33, 71.465, 39.382**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 33.770, 200.733**, and **39, 25.090, 203.636** is the 20% darker color. If you saturate the color by 10%, you get **58, 33.973, 200.461**, and if you desaturate by 10%, it is **58, 33.191, 200.107**.

Distribution



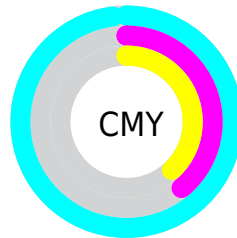
- Red (2%)
- Green (61%)
- Blue (62%)



- Red (2%)
- Yellow (31%)
- Blue (62%)



- Cyan (98%)
- Magenta (3%)
- Yellow (0%)
- Black (38%)





- Cyan (98%)
- Magenta (39%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 33.841, 200.389 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, 33.841, 200.389 by changing the saturation by 10% instead.

 58, 33.841,
200.389


 58, 33.841,
200.389


 100, 33.841,
200.389


 48, 33.841,
200.389


 78, 33.841,
200.389

 38, 33.841,
200.389

 88, 33.841,
200.389

 28, 33.841,
200.389

 98, 33.841,
200.389

 18, 33.841,
200.389

 8, 33.841, 200.389

 0, 33.841, 200.389

■ 58, 33.841,
200.389

■ 58, 33.841,
200.389

■ 58, 33.973,
200.461

■ 58, 33.191,
200.107

■ 59, 31.927,
199.925

■ 59, 29.942,
199.852

■ 60, 27.219,
199.884

■ 60, 23.786,
200.013

■ 61, 19.701,
200.232

■ 62, 15.043,
200.530

■ 63, 9.903, 200.904

Harmonies

Complementary

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



58, 33.841, 200.389



33, 71.465, 39.382

Rectangle

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



58, 33.841, 200.389



58, 33.841, 250.389



58, 33.841, 20.389



58, 33.841, 70.389

Sweetspot

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



58, 33.840, 200.388



79, 19.464, 200.464



57, 83.184, 136.290



41, 13.250, 200.340



92, 0.011, 296.813



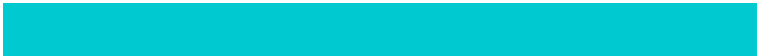
44, 0.006, 296.813

Same Dimension

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



58, 33.840, 200.388



74, 41.234, 200.542



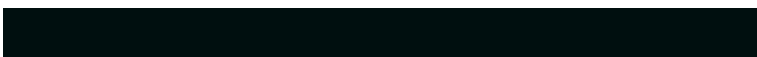
34, 50.510, 284.124



33, 3.253, 201.284



52, 31.417, 200.422



3, 4.332, 202.176

Inverse Universe

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



38, 79.091, 329.229



49, 96.607, 329.292



44, 58.211, 62.941



31, 5.998, 325.613



33, 73.577, 329.262



1, 7.773, 325.302

Previews

White Background



This preview shows how the CIELCh color 58, 33.841, 200.389 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, 33.841, 200.389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

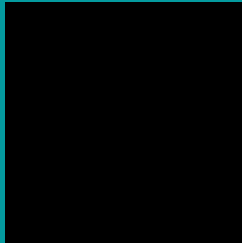
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 33.841, 200.389

Background



This preview shows how black text looks on a background with the CIELCh color 58, 33.841, 200.389.

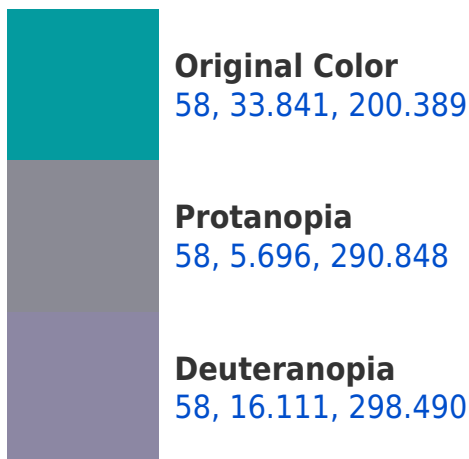


This preview shows how white text looks on a background with the CIELCh color 58, 33.841, 200.389.

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



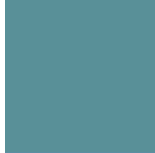


Tritanopia
58, 32.034, 209.205

Trichromacy



Original Color
58, 33.841, 200.389



Protanomaly
56, 18.822, 211.961



Deuteranomaly
56, 19.702, 233.944



Tritanomaly
58, 32.631, 205.788

Monochromacy



Original Color
58, 33.841, 200.389



Achromatopsia
46, 0.006, 296.813



Achromatomaly
49, 18.849, 201.089

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 33.841, 200.389 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, 155, 159)` looks like.

```
.text, #text, p{  
    color:rgb(4, 155, 159)  
}
```

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, 155, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 155, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 33.841, 200.389 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, 155, 159) }
```

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

```
.border{ border-color:rgb(4, 155, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 155, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 155, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 155, 159);  
box-shadow:4px 4px 4px 4px rgb(4, 155,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 33.841, 200.389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 155, 159) }
```

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

```
.background{ background-color: rgb(4, 155,  
159) }
```

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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