

Converting Colors

CIELCh(57, 33.990, 198.488)

Have a look what the booklet for
CIELCh(57, 33.990, 198.488)
contains.

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Color

CIELCh(57, 33.637, 199.407)

Conversions

Conversions Part 1

Format	Color
Hex	01989B
RGB	1, 152, 155
RGB Percent	0%, 60%, 61%
CMY	0.9959, 0.4029, 0.3911
CMYK	0.99, 0.02, 0.00, 0.39
HSL	181°, 99%, 31%
HSV	181°, 99%, 61%
XYZ	17.2212, 24.9227, 35.0269
YIQ	107.1930, -90.9590, -31.0790

Conversions

Conversions Part 2

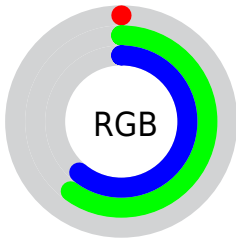
Format	Color
RYB	1, 77, 155
Decimal	104603
CIELab	57.00, -31.73, -11.18
CIELCh	57, 33.637, 199.407
Yxy	24.9227, 0.2232, 0.3230
Android (android.graphics.Color)	4278294683 (0xFF01989B)
YUV	107.1930, 23.5689, -93.1313
Hunter-Lab	49.9226, -25.7897, -6.6534

Details

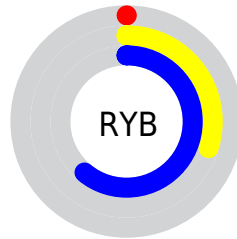
The CIELCh color **57, 33.637, 199.407** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **32, 71.151, 39.702**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 33.688, 198.868**, and **38, 24.664, 202.313** is the 20% darker color. If you saturate the color by 10%, you get **57, 33.674, 199.419**, and if you desaturate by 10%, it is **57, 33.017, 199.209**.

Distribution



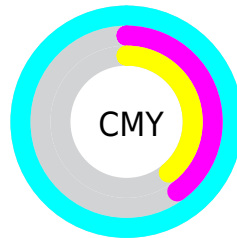
- Red (0%)
- Green (60%)
- Blue (61%)



- Red (0%)
- Yellow (30%)
- Blue (61%)



- Cyan (99%)
- Magenta (2%)
- Yellow (0%)
- Black (39%)





- Cyan (100%)
- Magenta (40%)
- Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 33.637, 199.407 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 57, 33.637, 199.407 by changing the saturation by 10% instead.


 57, 33.637,
199.407


 57, 33.637,
199.407

 100, 33.637,
199.407


 47, 33.637,
199.407


 77, 33.637,
199.407

 37, 33.637,
199.407

 87, 33.637,
199.407

 27, 33.637,
199.407

 97, 33.637,
199.407

 17, 33.637,
199.407

 7, 33.637, 199.407

 0, 33.637, 199.407

■ 57, 33.637,
199.407

■ 57, 33.637,
199.407

■ 57, 33.674,
199.419

■ 57, 33.017,
199.209

■ 57, 31.866,
199.088

■ 58, 30.014,
199.062

■ 58, 27.440,
199.131

■ 59, 24.161,
199.289

■ 60, 20.230,
199.530

■ 61, 15.722,
199.846

■ 62, 10.723,

200.233

■ 63, 5.323, 200.704

Harmonies

Complementary

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



57, 33.637, 199.407



32, 71.151, 39.702

Rectangle

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



57, 33.637, 199.407



57, 33.637, 249.407



57, 33.637, 19.407



57, 33.637, 69.407

Sweetspot

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



57, 33.636, 199.406



77, 19.786, 199.803



56, 82.181, 136.214



40, 13.395, 199.673



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



57, 33.636, 199.406



73, 40.823, 199.480



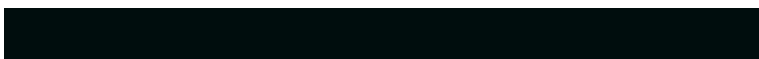
33, 50.492, 284.760



32, 3.186, 200.711



52, 31.271, 199.392



3, 3.516, 201.302

Inverse Universe

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



37, 78.457, 328.998



48, 95.296, 329.023



43, 58.004, 62.648



30, 5.862, 325.436



33, 72.976, 329.001



1, 6.291, 325.030

Previews

White Background



This preview shows how the CIELCh color 57, 33.637, 199.407 looks on a white background.

Color Contrast Check

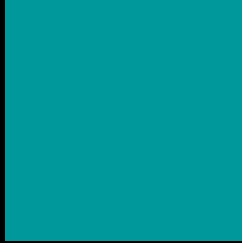
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 33.637, 199.407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

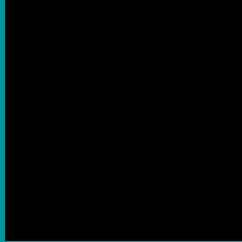
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 33.637, 199.407

Background



This preview shows how black text looks on a background with the CIELCh color 57, 33.637, 199.407.

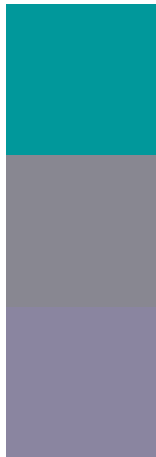


This preview shows how white text looks on a background with the CIELCh color 57, 33.637, 199.407.

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

57, 33.594, 199.414

Protanopia

57, 5.737, 294.674

Deuteranopia

57, 15.588, 298.701

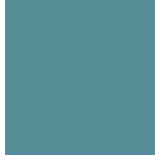


Tritanopia
57, 31.519, 209.466

Trichromacy



Original Color
57, 33.594, 199.414



Protanomaly
55, 18.555, 212.227



Deuteranomaly
55, 19.454, 230.397



Tritanomaly
57, 32.178, 205.953

Monochromacy



Original Color
57, 33.594, 199.414



Achromatopsia
45, 0.006, 296.813



Achromatomaly
48, 18.842, 201.075

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 33.637, 199.407 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, 152, 155)` looks like.

```
.text, #text, p{  
    color:rgb(1, 152, 155)  
}
```

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, 152, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 152, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 33.637, 199.407 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, 152, 155) }
```

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

```
.border{ border-color:rgb(1, 152, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 152, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 152, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 152, 155);  
box-shadow:4px 4px 4px 4px rgb(1, 152,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 33.637, 199.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 152, 155) }
```

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

```
.background{ background-color: rgb(1, 152,  
155) }
```

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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