

Converting Colors

CIELCh(57, 33.070, 199.530)

Have a look what the booklet for
CIELCh(57, 33.070, 199.530)
contains.

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Color

CIELCh(57, 33.075, 199.503)

Conversions

Conversions Part 1

Format	Color
Hex	0D989B
RGB	13, 152, 155
RGB Percent	5%, 60%, 61%
CMY	0.9484, 0.4038, 0.3920
CMYK	0.92, 0.02, 0.00, 0.39
HSL	181°, 84%, 33%
HSV	181°, 92%, 61%
XYZ	17.3215, 24.9227, 34.9238
YIQ	110.7810, -83.8070, -28.5350

Conversions

Conversions Part 2

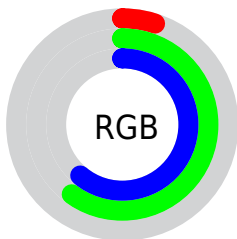
Format	Color
R_{YB}	13, 83, 155
Decimal	891035
CIE _{Lab}	57.00, -31.18, -11.04
CIE _{LCh}	57, 33.075, 199.503
Yxy	24.9227, 0.2245, 0.3230
Android (android.graphics.Color)	4279081115 (0xFF0D989B)
YUV	110.7810, 21.8000, -85.7539
Hunter-Lab	49.9226, -25.4309, -6.5311

Details

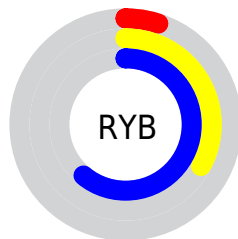
The CIELCh color **57, 33.075, 199.503** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **33, 66.931, 37.629**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 33.103, 198.940**, and **38, 24.664, 202.313** is the 20% darker color. If you saturate the color by 10%, you get **57, 33.562, 199.693**, and if you desaturate by 10%, it is **57, 32.075, 199.339**.

Distribution



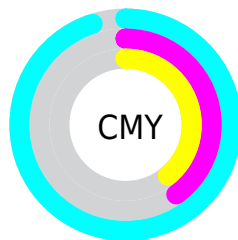
- Red (5%)
- Green (60%)
- Blue (61%)



- Red (5%)
- Yellow (33%)
- Blue (61%)



- Cyan (92%)
- Magenta (2%)
- Yellow (0%)
- Black (39%)





- Cyan (95%)
- Magenta (40%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 33.075, 199.503 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, 33.075, 199.503 by changing the saturation by 10% instead.


 57, 33.075,
199.503


 57, 33.075,
199.503


 100, 33.075,
199.503


 47, 33.075,
199.503


 77, 33.075,
199.503

 37, 33.075,
199.503

 87, 33.075,
199.503

 27, 33.075,
199.503

 97, 33.075,
199.503

 17, 33.075,
199.503

 7, 33.075, 199.503

 0, 33.075, 199.503

■ 57, 33.075,
199.503

■ 57, 33.075,
199.503

■ 57, 33.562,
199.693

■ 57, 32.075,
199.339

■ 58, 30.388,
199.275

■ 58, 27.979,
199.308

■ 59, 24.861,
199.435

■ 60, 21.078,
199.648

■ 60, 16.702,
199.940

■ 61, 11.817,
200.304

■ 63, 6.512, 200.746

Harmonies

Complementary

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



57, 33.075, 199.503



33, 66.931, 37.629

Rectangle

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



57, 33.075, 199.503



57, 33.075, 249.503



57, 33.075, 19.503



57, 33.075, 69.503

Sweetspot

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



57, 33.074, 199.502



77, 17.980, 200.077



56, 80.026, 136.613



41, 12.069, 199.967



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, 33.074, 199.502



72, 40.728, 199.760



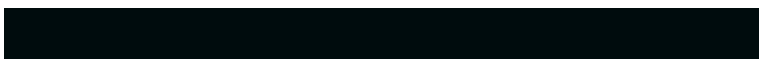
35, 46.384, 281.457



32, 3.180, 200.864



52, 31.200, 199.664



3, 3.510, 201.469

Inverse Universe

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



37, 76.683, 328.942



48, 95.169, 329.094



44, 54.538, 64.409



30, 5.856, 325.483



33, 72.881, 329.070



1, 6.283, 325.082

Previews

White Background



This preview shows how the CIELCh color 57, 33.075, 199.503 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, 33.075, 199.503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

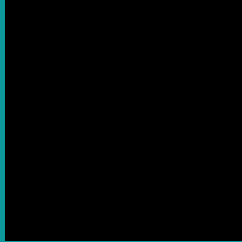
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

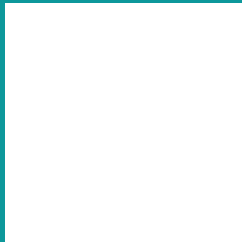
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 57, 33.075, 199.503

Background



This preview shows how black text looks on a background with the CIELCh color 57, 33.075, 199.503.

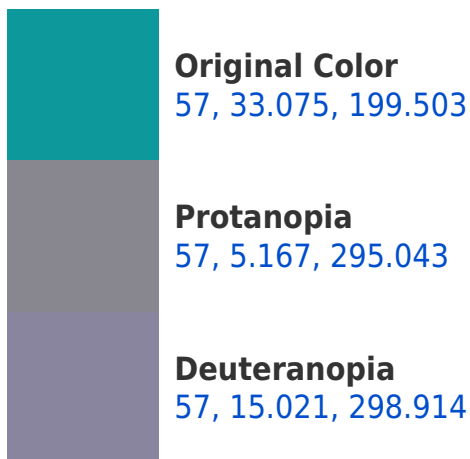


This preview shows how white text looks on a background with the CIELCh color 57, 33.075, 199.503.

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



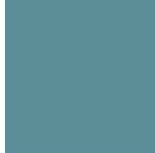


Tritanopia
57, 31.284, 209.582

Trichromacy



Original Color
57, 33.075, 199.503



Protanomaly
55, 17.403, 211.314



Deuteranomaly
56, 18.300, 232.793



Tritanomaly
57, 31.799, 206.095

Monochromacy



Original Color
57, 33.075, 199.503



Achromatopsia
47, 0.006, 296.813



Achromatomaly
49, 17.800, 199.485

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 33.075, 199.503 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(13, 152, 155)` looks like.

```
.text, #text, p{  
    color:rgb(13, 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(13, 152, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 152, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 33.075, 199.503 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(13, 152, 155) }
```

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

```
.border{ border-color:rgb(13, 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(13, 152, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 152, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 152, 155);  
box-shadow:4px 4px 4px 4px rgb(13, 152,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 33.075, 199.503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 152, 155) }
```

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

```
.background{ background-color: rgb(13, 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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