

Converting Colors

CIELCh(53, 67.645, 192.745)

Have a look what the booklet for
CIELCh(53, 67.645, 192.745)
contains.

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Color

CIELCh(57, 34.554, 194.428)

Conversions

Conversions Part 1

Format	Color
Hex	009997
RGB	0, 153, 151
RGB Percent	0%, 60%, 59%
CMY	1.0000, 0.4010, 0.4088
CMYK	1.00, 0.00, 0.01, 0.40
HSL	179°, 100%, 30%
HSV	179°, 100%, 60%
XYZ	16.9057, 24.9227, 33.0950
YIQ	107.0250, -90.5460, -33.0580

Conversions

Conversions Part 2

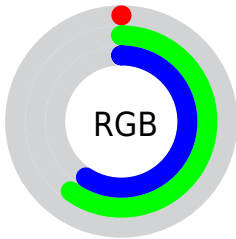
Format	Color
RYB	0, 77, 153
Decimal	39319
CIELab	57.00, -33.46, -8.61
CIELCh	57, 34.554, 194.428
Yxy	24.9227, 0.2256, 0.3326
Android (android.graphics.Color)	4278229399 (0xFF009997)
YUV	107.0250, 21.6797, -93.8609
Hunter-Lab	49.9226, -26.9178, -4.3591

Details

The CIELCh color **57, 34.554, 194.428** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **31, 70.351, 38.998**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 34.677, 194.240**, and **38, 25.570, 194.961** is the 20% darker color. If you saturate the color by 10%, you get **57, 34.514, 194.428**, and if you desaturate by 10%, it is **57, 33.785, 194.646**.

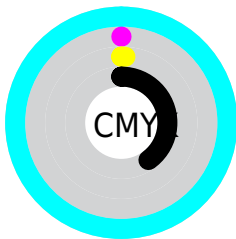
Distribution



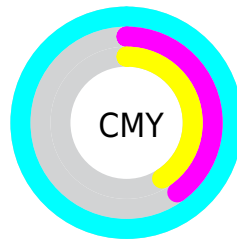
- Red (0%)
- Green (60%)
- Blue (59%)



- Red (0%)
- Yellow (30%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (40%)




- Cyan (100%)
- Magenta (40%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 34.554, 194.428 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, 34.554, 194.428 by changing the saturation by 10% instead.


 57, 34.554,
194.428

 57, 34.554,
194.428


 100, 34.554,
194.428

 47, 34.554,
194.428

 77, 34.554,
194.428

 37, 34.554,
194.428

 87, 34.554,
194.428

 27, 34.554,
194.428

 97, 34.554,
194.428

 17, 34.554,
194.428

 7, 34.554, 194.428

 0, 34.554, 194.428

■ 57, 34.554,
194.428

■ 57, 34.554,
194.428

■ 57, 34.514,
194.428

■ 57, 33.785,
194.646

■ 57, 32.564,
194.888

■ 58, 30.655,
195.168

■ 58, 28.032,
195.491

■ 59, 24.712,
195.860

■ 59, 20.743,
196.278

■ 60, 16.199,
196.743

■ 61, 11.167,

197.255

■ 62, 5.738, 197.829

Harmonies

Complementary

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



57, 34.554, 194.428



31, 70.351, 38.998

Rectangle

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



57, 34.554, 194.428



57, 34.554, 244.428



57, 34.554, 14.428



57, 34.554, 64.428

Sweetspot

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



57, 34.514, 194.428



76, 20.043, 196.714



55, 81.610, 135.929



40, 13.437, 196.530



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



57, 34.514, 194.428



73, 41.970, 194.389



34, 46.964, 281.641



32, 3.253, 197.879



53, 32.425, 194.443



3, 3.597, 198.183

Inverse Universe

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



31, 70.351, 38.998



41, 86.146, 39.508



41, 58.372, 59.846



30, 3.438, 18.836



28, 65.673, 38.533



1, 3.597, 18.334

Previews

White Background



This preview shows how the CIELCh color 57, 34.554, 194.428 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, 34.554, 194.428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

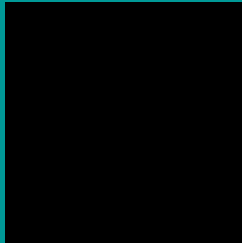
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 34.554, 194.428

Background



This preview shows how black text looks on a background with the CIELCh color 57, 34.554, 194.428.

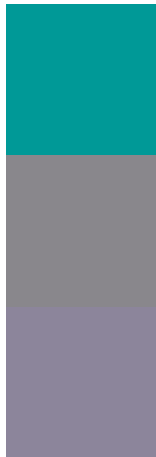


This preview shows how white text looks on a background with the CIELCh color 57, 34.554, 194.428.

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, 34.554, 194.428

Protanopia

57, 2.976, 305.649

Deuteranopia

57, 12.894, 303.302

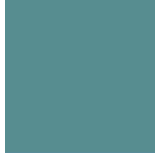


Tritanopia
57, 31.024, 209.711

Trichromacy



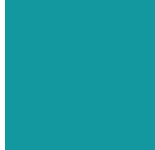
Original Color
57, 34.554, 194.428



Protanomaly
55, 18.513, 203.066



Deuteranomaly
55, 18.275, 222.263



Tritanomaly
57, 32.318, 203.801

Monochromacy



Original Color
57, 34.554, 194.428



Achromatopsia
45, 0.006, 296.813



Achromatomaly
48, 19.390, 195.619

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 34.554, 194.428 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 34.554, 194.428 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, 151) }
```

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

```
.border{ border-color:rgb(0, 153, 151) }
```

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, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 34.554, 194.428 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, 151) }
```

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

```
.background{ background-color: rgb(0, 153,  
151) }
```

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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