

Converting Colors

CIELCh(51, 72.726, 192.823)

Have a look what the booklet for
CIELCh(51, 72.726, 192.823)
contains.

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Color

CIELCh(55, 33.565, 195.372)

Conversions

Conversions Part 1

Format	Color
Hex	009392
RGB	0, 147, 146
RGB Percent	0%, 58%, 57%
CMY	1.0000, 0.4234, 0.4273
CMYK	1.00, 0.00, 0.01, 0.42
HSL	180°, 100%, 29%
HSV	180°, 100%, 58%
XYZ	15.5852, 22.9298, 30.8161
YIQ	102.9330, -87.2910, -31.4750

Conversions

Conversions Part 2

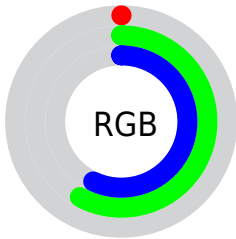
Format	Color
RYB	0, 74, 147
Decimal	37778
CIELab	55.00, -32.36, -8.90
CIELCh	55, 33.565, 195.372
Yxy	22.9298, 0.2248, 0.3307
Android (android.graphics.Color)	4278227858 (0xFF009392)
YUV	102.9330, 21.2320, -90.2722
Hunter-Lab	47.8851, -25.7026, -4.6360

Details

The CIELCh color **55, 33.565, 195.372** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **30, 68.459, 39.062**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 33.451, 195.099**, and **36, 24.509, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **55, 33.403, 195.380**, and if you desaturate by 10%, it is **55, 32.690, 195.522**.

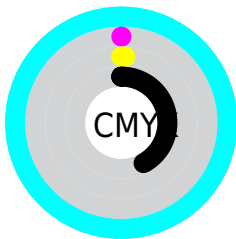
Distribution



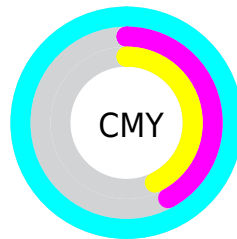
- Red (0%)
- Green (58%)
- Blue (57%)



- Red (0%)
- Yellow (29%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (42%)





- Cyan (100%)
- Magenta (42%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 33.565, 195.372 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 55, 33.565, 195.372 by changing the saturation by 10% instead.


 55, 33.565,
195.372


 55, 33.565,
195.372


 100, 33.565,
195.372


 45, 33.565,
195.372


 75, 33.565,
195.372

 35, 33.565,
195.372

 85, 33.565,
195.372

 25, 33.565,
195.372

 95, 33.565,
195.372

 15, 33.565,
195.372

 5, 33.565, 195.372

 0, 33.565, 195.372

■ 55, 33.565,
195.372

■ 55, 33.565,
195.372

■ 55, 33.403,
195.380

■ 55, 32.690,
195.522

■ 55, 31.509,
195.696

■ 56, 29.663,
195.917

■ 56, 27.128,
196.191

■ 56, 23.918,
196.520

■ 57, 20.080,
196.903

■ 58, 15.685,
197.338

■ 59, 10.815,

197.825

■ 60, 5.558, 198.378

Harmonies

Complementary

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



55, 33.565, 195.372



30, 68.459, 39.062

Rectangle

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



55, 33.565, 195.372



55, 33.565, 245.372



55, 33.565, 15.372



55, 33.565, 65.372

Sweetspot

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



55, 33.403, 195.380



74, 19.392, 197.310



53, 79.356, 135.925



39, 13.137, 197.138



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



55, 33.403, 195.380



70, 40.562, 195.360



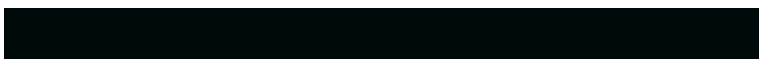
32, 45.525, 281.474



31, 3.161, 198.427



52, 31.845, 195.386



2, 2.829, 198.863

Inverse Universe

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



30, 68.459, 39.062



40, 83.919, 39.733



39, 56.723, 59.981



29, 3.342, 19.348



28, 64.905, 38.665



1, 2.829, 18.846

Previews

White Background



This preview shows how the CIE LCh color 55, 33.565, 195.372 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 55, 33.565, 195.372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

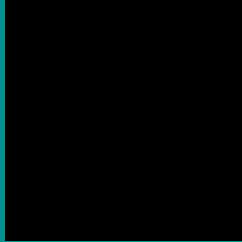
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 33.565, 195.372

Background



This preview shows how black text looks on a background with the CIELCh color 55, 33.565, 195.372.

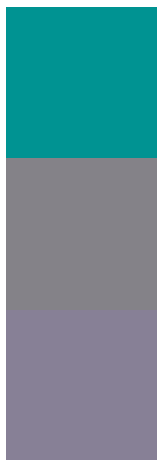


This preview shows how white text looks on a background with the CIELCh color 55, 33.565, 195.372.

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

55, 33.400, 195.366

Protanopia

55, 3.554, 303.267

Deuteranopia

55, 12.982, 303.330



Tritanopia
55, 30.145, 210.201

Trichromacy



Original Color
55, 33.400, 195.366

Protanomaly
53, 17.932, 205.179

Deuteranomaly
53, 17.945, 225.017

Tritanomaly
55, 31.347, 204.086

Monochromacy



Original Color
55, 33.400, 195.366

Achromatopsia
44, 0.006, 296.813

Achromatomaly
47, 18.454, 197.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 33.565, 195.372 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, 147, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 146)  
}
```

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, 147, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 33.565, 195.372 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, 147, 146) }
```

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

```
.border{ border-color:rgb(0, 147, 146) }
```

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

Here you see how a box with a 4 pixel rgb(0, 147, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 33.565, 195.372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 146) }
```

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

```
.background{ background-color: rgb(0, 147,  
146) }
```

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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