

Converting Colors

CIElCh(55, 35.550, 186.069)

Have a look what the booklet for
CIELCh(55, 35.550, 186.069)
contains.

CIELCh(55, 35.635, 185.818)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(55, 35.635, 185.818)

Conversions

Conversions Part 1

Format	Color
Hex	009489
RGB	0, 148, 137
RGB Percent	0%, 58%, 54%
CMY	1.0000, 0.4202, 0.4633
CMYK	1.00, 0.00, 0.07, 0.42
HSL	176°, 100%, 29%
HSV	176°, 100%, 58%
XYZ	15.0636, 22.9298, 27.2428
YIQ	102.4940, -84.6770, -34.7970

Conversions

Conversions Part 2

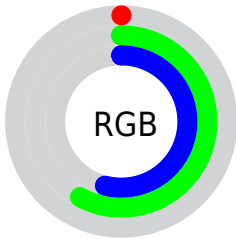
Format	Color
RYB	0, 77, 148
Decimal	38025
CIELab	55.00, -35.45, -3.61
CIElCh	55, 35.635, 185.818
Yxy	22.9298, 0.2309, 0.3515
Android (android.graphics.Color)	4278228105 (0xFF009489)
YUV	102.4940, 17.0115, -89.8872
Hunter-Lab	47.8851, -27.6466, -0.2117

Details

The CIELCh color **55, 35.635, 185.818** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **30, 66.407, 36.301**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 35.741, 185.358**, and **36, 26.566, 183.825** is the 20% darker color. If you saturate the color by 10%, you get **55, 35.610, 185.812**, and if you desaturate by 10%, it is **55, 34.623, 186.678**.

Distribution



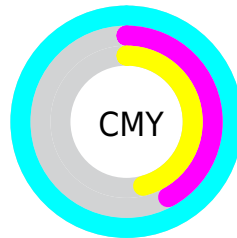
- Red (0%)
- Green (58%)
- Blue (54%)



- Red (0%)
- Yellow (30%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (42%)





- Cyan (100%)
- Magenta (42%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 35.635, 185.818 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, 35.635, 185.818 by changing the saturation by 10% instead.


 55, 35.635,
185.818


 55, 35.635,
185.818


 100, 35.635,
185.818


 45, 35.635,
185.818


 75, 35.635,
185.818

 35, 35.635,
185.818

 85, 35.635,
185.818

 25, 35.635,
185.818

 95, 35.635,
185.818

 15, 35.635,
185.818

 5, 35.635, 185.818

 0, 35.635, 185.818

■ 55, 35.635,
185.818

■ 55, 35.635,
185.818

■ 55, 35.610,
185.812

■ 55, 34.623,
186.678

■ 55, 33.164,
187.507

■ 56, 31.035,
188.285

■ 56, 28.222,
189.028

■ 57, 24.748,
189.749

■ 57, 20.671,
190.459

■ 58, 16.069,
191.166

■ 59, 11.030,

191.878

■ 60, 5.645, 192.616

Harmonies

Complementary

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



55, 35.635, 185.818



30, 66.407, 36.301

Rectangle

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



55, 35.635, 185.818



55, 35.635, 235.818



55, 35.635, 5.818



55, 35.635, 55.818

Sweetspot

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



55, 35.610, 185.812



74, 19.783, 191.123



53, 79.279, 135.558



38, 13.427, 190.852



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, 35.610, 185.812



70, 43.129, 185.614



36, 40.002, 273.633



31, 3.195, 192.678



51, 33.797, 185.875



2, 2.849, 193.257

Inverse Universe

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



30, 66.407, 36.301



40, 81.142, 37.154



37, 58.770, 54.971



29, 3.354, 13.873



28, 62.753, 35.905



1, 2.849, 13.240

Previews

White Background



This preview shows how the CIE LCh color 55, 35.635, 185.818 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, 35.635, 185.818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

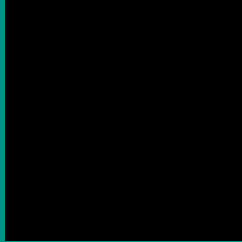
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 35.635, 185.818

Background



This preview shows how black text looks on a background with the CIELCh color 55, 35.635, 185.818.

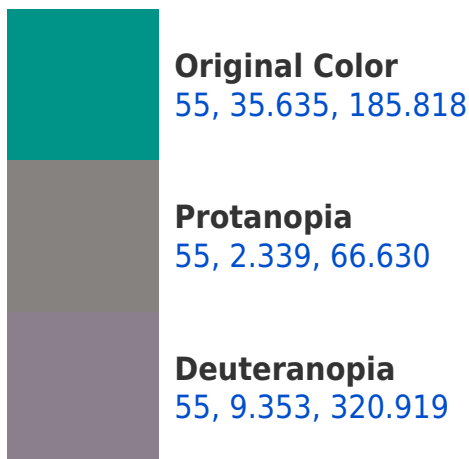


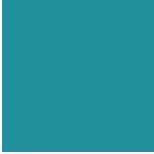
This preview shows how white text looks on a background with the CIELCh color 55, 35.635, 185.818.

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
55, 29.447, 210.581

Trichromacy



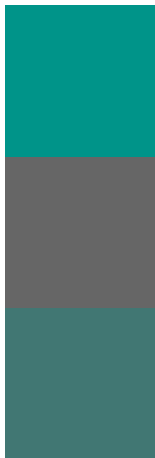
Original Color
55, 35.635, 185.818

Protanomaly
53, 18.488, 188.506

Deuteranomaly
53, 16.488, 205.971

Tritanomaly
55, 31.351, 200.836

Monochromacy



Original Color
55, 35.635, 185.818

Achromatopsia
43, 0.006, 296.813

Achromatomaly
46, 19.273, 190.172

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 35.635, 185.818 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, 148, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 137)  
}
```

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, 148, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 35.635, 185.818 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, 148, 137) }
```

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

```
.border{ border-color:rgb(0, 148, 137) }
```

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

Here you see how a box with a 4 pixel rgb(0, 148, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 35.635, 185.818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 137) }
```

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

```
.background{ background-color: rgb(0, 148,  
137) }
```

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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