

Converting Colors

CIELCh(55, 34.991, 188.242)

Have a look what the booklet for
CIELCh(55, 34.991, 188.242)
contains.

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Color

CIELCh(55, 35.158, 187.638)

Conversions

Conversions Part 1

Format	Color
Hex	00948B
RGB	0, 148, 139
RGB Percent	0%, 58%, 55%
CMY	1.0000, 0.4208, 0.4561
CMYK	1.00, 0.00, 0.06, 0.42
HSL	176°, 100%, 29%
HSV	176°, 100%, 58%
XYZ	15.1650, 22.9298, 27.9364
YIQ	102.7220, -85.3190, -34.1750

Conversions

Conversions Part 2

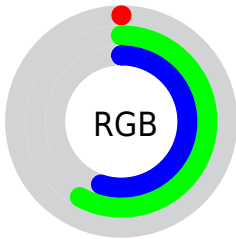
Format	Color
RYB	0, 76, 148
Decimal	38027
CIELab	55.00, -34.85, -4.67
CIELCh	55, 35.158, 187.638
Yxy	22.9298, 0.2297, 0.3473
Android (android.graphics.Color)	4278228107 (0xFF00948B)
YUV	102.7220, 17.8851, -90.0872
Hunter-Lab	47.8851, -27.2689, -1.0705

Details

The CIELCh color **55, 35.158, 187.638** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **30, 66.812, 36.874**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 35.335, 187.051**, and **36, 26.023, 186.442** is the 20% darker color. If you saturate the color by 10%, you get **55, 35.106, 187.629**, and if you desaturate by 10%, it is **55, 34.184, 188.367**.

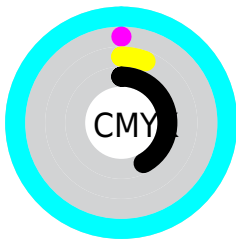
Distribution



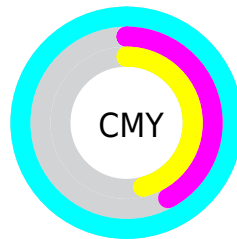
- Red (0%)
- Green (58%)
- Blue (55%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (42%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 35.158, 187.638 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, 35.158, 187.638 by changing the saturation by 10% instead.


 55, 35.158,
187.638


 55, 35.158,
187.638


 100, 35.158,
187.638


 45, 35.158,
187.638


 75, 35.158,
187.638

 35, 35.158,
187.638

 85, 35.158,
187.638

 25, 35.158,
187.638

 95, 35.158,
187.638

 15, 35.158,
187.638

 5, 35.158, 187.638

 0, 35.158, 187.638

■ 55, 35.158,
187.638

■ 55, 35.158,
187.638

■ 55, 35.106,
187.629

■ 55, 34.184,
188.367

■ 55, 32.789,
189.078

■ 56, 30.725,
189.757

■ 56, 27.974,
190.416

■ 57, 24.559,
191.066

■ 57, 20.535,
191.717

■ 58, 15.979,
192.376

■ 59, 10.979,

193.048

■ 60, 5.623, 193.754

Harmonies

Complementary

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



55, 35.158, 187.638



30, 66.812, 36.874

Rectangle

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



55, 35.158, 187.638



55, 35.158, 237.638



55, 35.158, 7.638



55, 35.158, 57.638

Sweetspot

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



55, 35.106, 187.629



74, 19.688, 192.336



53, 79.320, 135.654



39, 13.358, 192.083



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, 35.106, 187.629



70, 42.538, 187.462



35, 41.324, 275.761



31, 3.185, 193.814



51, 33.348, 187.681



2, 2.842, 194.367

Inverse Universe

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



30, 66.812, 36.874



40, 81.701, 37.703



38, 58.233, 56.158



29, 3.349, 14.961



28, 63.170, 36.470



1, 2.843, 14.351

Previews

White Background



This preview shows how the CIELCh color 55, 35.158, 187.638 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, 35.158, 187.638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

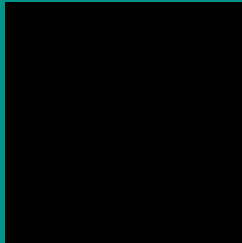
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 35.158, 187.638

Background



This preview shows how black text looks on a background with the CIELCh color 55, 35.158, 187.638.




This preview shows how white text looks on a background with the CIELCh color 55, 35.158, 187.638.

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, 29.555, 210.521

Trichromacy



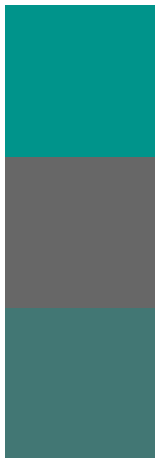
Original Color
55, 35.158, 187.638

Protanomaly
53, 18.179, 192.091

Deuteranomaly
53, 16.525, 210.095

Tritanomaly
55, 31.351, 200.836

Monochromacy



Original Color
55, 35.158, 187.638

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 18.834, 191.890

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 35.158, 187.638 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, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 139)  
}
```

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, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 35.158, 187.638 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, 139) }
```

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

```
.border{ border-color:rgb(0, 148, 139) }
```

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, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 35.158, 187.638 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, 139) }
```

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

```
.background{ background-color: rgb(0, 148,  
139) }
```

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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