

Converting Colors

CIELCh(51, 74.416, 184.872)

Have a look what the booklet for
CIELCh(51, 74.416, 184.872)
contains.

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Color

CIELCh(55, 37.969, 179.115)

Conversions

Conversions Part 1

Format	Color
Hex	009582
RGB	0, 149, 130
RGB Percent	0%, 58%, 51%
CMY	1.0000, 0.4176, 0.4920
CMYK	1.00, 0.00, 0.13, 0.42
HSL	172°, 100%, 29%
HSV	172°, 100%, 58%
XYZ	14.6478, 22.9298, 24.6096
YIQ	102.2830, -82.7050, -37.4970

Conversions

Conversions Part 2

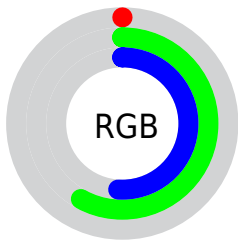
Format	Color
RYB	0, 80, 149
Decimal	38274
CIELab	55.00, -37.96, 0.59
CIELCh	55, 37.969, 179.115
Yxy	22.9298, 0.2355, 0.3687
Android (android.graphics.Color)	4278228354 (0xFF009582)
YUV	102.2830, 13.6645, -89.7022
Hunter-Lab	47.8851, -29.1967, 3.0487

Details

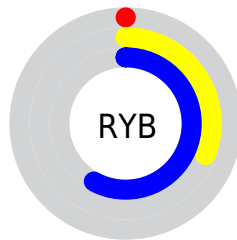
The CIELCh color **55, 37.969, 179.115** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **30, 64.509, 33.419**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 38.017, 179.161**, and **36, 28.944, 175.652** is the 20% darker color. If you saturate the color by 10%, you get **55, 37.890, 179.086**, and if you desaturate by 10%, it is **55, 36.607, 180.382**.

Distribution



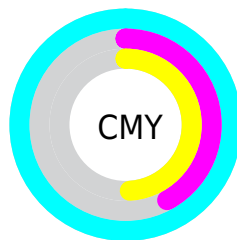
- Red (0%)
- Green (58%)
- Blue (51%)



- Red (0%)
- Yellow (31%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (42%)





- Cyan (100%)
- Magenta (42%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 37.969, 179.115 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, 37.969, 179.115 by changing the saturation by 10% instead.


 55, 37.969,
179.115


 55, 37.969,
179.115


 100, 37.969,
179.115


 45, 37.969,
179.115


 75, 37.969,
179.115

 35, 37.969,
179.115

 85, 37.969,
179.115

 25, 37.969,
179.115

 95, 37.969,
179.115

 15, 37.969,
179.115

 5, 37.969, 179.115

 0, 37.969, 179.115

■ 55, 37.969,
179.115

■ 55, 37.969,
179.115

■ 55, 37.890,
179.086

■ 55, 36.607,
180.382

■ 55, 34.855,
181.606

■ 56, 32.440,
182.724

■ 56, 29.350,
183.754

■ 57, 25.617,
184.715

■ 57, 21.305,
185.623

■ 58, 16.495,
186.494

■ 59, 11.280,

187.340

■ 60, 5.753, 188.186

Harmonies

Complementary

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



55, 37.969, 179.115



30, 64.509, 33.419

Rectangle

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



55, 37.969, 179.115



55, 37.969, 229.115



55, 37.969, 359.115



55, 37.969, 49.115

Sweetspot

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



55, 37.890, 179.086



74, 20.456, 186.441



53, 79.147, 135.190



38, 13.757, 186.113



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, 37.890, 179.086



70, 46.264, 178.775



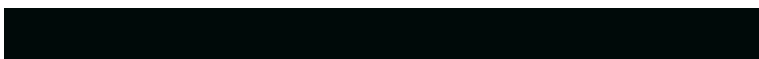
38, 36.417, 266.514



31, 3.243, 188.256



51, 35.823, 179.188



2, 2.883, 188.917

Inverse Universe

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



30, 64.509, 33.419



40, 79.429, 34.483



36, 60.554, 51.687



29, 3.385, 9.609



28, 60.820, 33.054



1, 2.884, 8.901

Previews

White Background



This preview shows how the CIELCh color 55, 37.969, 179.115 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, 37.969, 179.115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

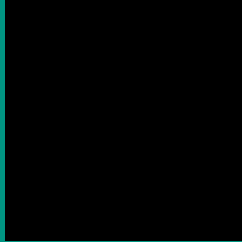
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 37.969, 179.115

Background



This preview shows how black text looks on a background with the CIELCh color 55, 37.969, 179.115.

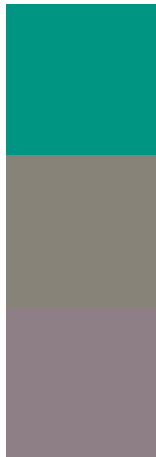


This preview shows how white text looks on a background with the CIELCh color 55, 37.969, 179.115.

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, 37.969, 179.115

Protanopia
55, 6.611, 91.331

Deuteranopia
55, 7.210, 346.328



Tritanopia
55, 28.872, 209.699

Trichromacy



Original Color
55, 37.969, 179.115

Protanomaly
53, 20.296, 173.819

Deuteranomaly
53, 16.358, 191.647

Tritanomaly
55, 31.621, 196.512

Monochromacy



Original Color
55, 37.969, 179.115

Achromatopsia
43, 0.006, 296.813

Achromatomaly
46, 19.854, 185.063

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 37.969, 179.115 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, 149, 130)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 130)  
}
```

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, 149, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 37.969, 179.115 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, 149, 130) }
```

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

```
.border{ border-color:rgb(0, 149, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 149, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 130);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 37.969, 179.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 130) }
```

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

```
.background{ background-color: rgb(0, 149,  
130) }
```

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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