

Converting Colors

CIELCh(55, 42.418, 169.957)

Have a look what the booklet for
CIELCh(55, 42.418, 169.957)
contains.

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Color

CIELCh(55, 41.889, 170.383)

Conversions

Conversions Part 1

Format	Color
Hex	019576
RGB	1, 149, 118
RGB Percent	0%, 58%, 46%
CMY	0.9953, 0.4143, 0.5360
CMYK	0.99, 0.00, 0.21, 0.41
HSL	167°, 98%, 30%
HSV	167°, 99%, 59%
XYZ	14.1078, 22.9298, 20.9250
YIQ	101.2140, -78.2570, -41.0170

Conversions

Conversions Part 2

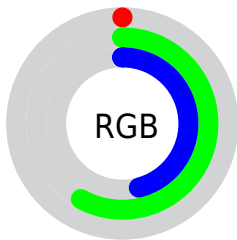
Format	Color
RYB	1, 84, 149
Decimal	103798
CIELab	55.00, -41.30, 7.00
CIELCh	55, 41.889, 170.383
Yxy	22.9298, 0.2434, 0.3956
Android (android.graphics.Color)	4278293878 (0xFF019576)
YUV	101.2140, 8.2755, -87.8877
Hunter-Lab	47.8851, -31.2098, 7.6108

Details

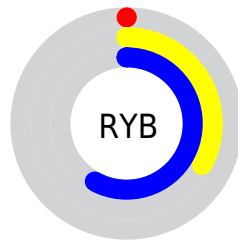
The CIELCh color **55, 41.889, 170.383** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **31, 61.094, 27.356**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 41.959, 170.329**, and **36, 33.142, 165.048** is the 20% darker color. If you saturate the color by 10%, you get **55, 42.035, 170.246**, and if you desaturate by 10%, it is **55, 40.054, 172.118**.

Distribution



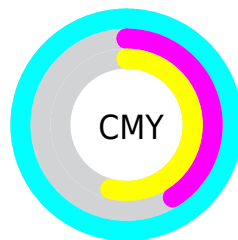
- Red (0%)
- Green (58%)
- Blue (46%)



- Red (0%)
- Yellow (33%)
- Blue (58%)



- Cyan (99%)
- Magenta (0%)
- Yellow (21%)
- Black (41%)





- Cyan (100%)
- Magenta (41%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 41.889, 170.383 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, 41.889, 170.383 by changing the saturation by 10% instead.


 55, 41.889,
170.383


 55, 41.889,
170.383


 100, 41.889,
170.383


 45, 41.889,
170.383


 75, 41.889,
170.383

 35, 41.889,
170.383

 85, 41.889,
170.383

 25, 41.889,
170.383

 95, 41.889,
170.383

 15, 41.889,
170.383

 5, 41.889, 170.383

 0, 41.889, 170.383

■ 55, 41.889,
170.383

■ 55, 41.889,
170.383

■ 55, 42.035,
170.246

■ 55, 40.054,
172.118

■ 55, 37.725,
173.742

■ 56, 34.744,
175.207

■ 56, 31.113,
176.532

■ 57, 26.874,
177.739

■ 58, 22.100,
178.850

■ 59, 16.882,
179.883

■ 60, 11.316,

180.859

■ 61, 5.496, 181.809

Harmonies

Complementary

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



55, 41.889, 170.383



31, 61.094, 27.356

Rectangle

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



55, 41.889, 170.383



55, 41.889, 220.383



55, 41.889, 350.383



55, 41.889, 40.383

Sweetspot

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



55, 41.889, 170.382



74, 21.387, 179.741



54, 78.268, 134.272



38, 14.416, 179.353



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, 41.889, 170.382



70, 51.229, 169.835



42, 31.690, 251.685



31, 3.351, 181.808



51, 39.544, 170.395



2, 2.967, 182.547

Inverse Universe

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



31, 61.094, 27.356



41, 75.261, 28.938



34, 63.036, 47.126



29, 3.469, 3.305



28, 57.728, 27.275



1, 2.967, 2.532

Previews

White Background



This preview shows how the CIELCh color 55, 41.889, 170.383 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, 41.889, 170.383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

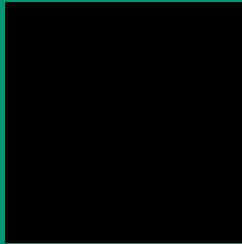
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 41.889, 170.383

Background



This preview shows how black text looks on a background with the CIELCh color 55, 41.889, 170.383.



This preview shows how white text looks on a background with the CIELCh color 55, 41.889, 170.383.

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, 41.842, 170.358

Protanopia
55, 12.914, 95.372

Deuteranopia
55, 8.413, 31.953



Tritanopia
55, 27.865, 211.510

Trichromacy



Original Color
55, 41.842, 170.358



Protanomaly
53, 24.462, 159.269



Deuteranomaly
53, 17.353, 171.877

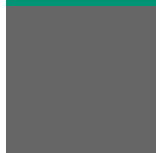


Tritanomaly
55, 31.801, 192.273

Monochromacy



Original Color
55, 41.842, 170.358



Achromatopsia
43, 0.006, 296.813



Achromatomaly
46, 20.830, 178.743

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 41.889, 170.383 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(1, 149, 118)` looks like.

```
.text, #text, p{  
    color:rgb(1, 149, 118)  
}
```

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(1, 149, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 149, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 41.889, 170.383 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(1, 149, 118) }
```

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

```
.border{ border-color:rgb(1, 149, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 149, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 149, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 149, 118);  
box-shadow:4px 4px 4px 4px rgb(1, 149,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 41.889, 170.383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 149, 118) }
```

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

```
.background{ background-color: rgb(1, 149,  
118) }
```

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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