

Converting Colors

CIELCh(57, 35.640, 189.188)

Have a look what the booklet for
CIELCh(57, 35.640, 189.188)
contains.

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Color

CIELCh(57, 35.475, 189.699)

Conversions

Conversions Part 1

Format	Color
Hex	029992
RGB	2, 153, 146
RGB Percent	1%, 60%, 57%
CMY	0.9937, 0.3994, 0.4269
CMYK	0.99, 0.00, 0.05, 0.40
HSL	177°, 98%, 30%
HSV	177°, 99%, 60%
XYZ	16.6359, 24.9227, 31.1888
YIQ	107.0530, -87.7490, -34.1890

Conversions

Conversions Part 2

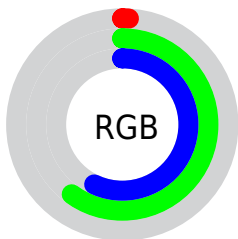
Format	Color
RYB	2, 79, 153
Decimal	170386
CIELab	57.00, -34.97, -5.98
CIELCh	57, 35.475, 189.699
Yxy	24.9227, 0.2287, 0.3426
Android (android.graphics.Color)	4278360466 (0xFF029992)
YUV	107.0530, 19.2009, -92.1315
Hunter-Lab	49.9226, -27.8823, -2.0951

Details

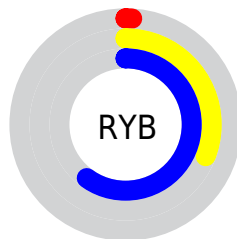
The CIELCh color **57, 35.475, 189.699** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **31, 68.773, 37.394**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 35.453, 189.827**, and **38, 26.397, 189.464** is the 20% darker color. If you saturate the color by 10%, you get **57, 35.561, 189.637**, and if you desaturate by 10%, it is **57, 34.594, 190.291**.

Distribution



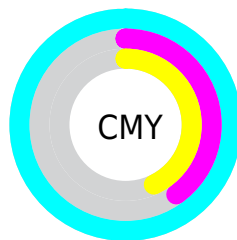
- Red (1%)
- Green (60%)
- Blue (57%)



- Red (1%)
- Yellow (31%)
- Blue (60%)



- Cyan (99%)
- Magenta (0%)
- Yellow (5%)
- Black (40%)





- Cyan (99%)
- Magenta (40%)
- Yellow (43%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 35.475, 189.699 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 57, 35.475, 189.699 by changing the saturation by 10% instead.


 57, 35.475,
189.699


 57, 35.475,
189.699

 100, 35.475,
189.699


 47, 35.475,
189.699

 77, 35.475,
189.699

 37, 35.475,
189.699

 87, 35.475,
189.699

 27, 35.475,
189.699

 97, 35.475,
189.699

 17, 35.475,
189.699

 7, 35.475, 189.699

 0, 35.475, 189.699

■ 57, 35.475,
189.699

■ 57, 35.475,
189.699

■ 57, 35.561,
189.637

■ 57, 34.594,
190.291

■ 57, 33.172,
190.868

■ 58, 31.054,
191.433

■ 58, 28.224,
191.997

■ 59, 24.707,
192.569

■ 59, 20.562,
193.156

■ 60, 15.866,
193.763

■ 61, 10.710,

194.393

■ 62, 5.186, 195.071

Harmonies

Complementary

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



57, 35.475, 189.699



31, 68.773, 37.394

Rectangle

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



57, 35.475, 189.699



57, 35.475, 239.699



57, 35.475, 9.699



57, 35.475, 59.699

Sweetspot

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



57, 35.475, 189.698



76, 20.224, 193.662



55, 81.301, 135.811



40, 13.571, 193.428



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



57, 35.475, 189.698



73, 43.189, 189.509



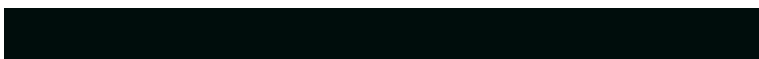
36, 43.571, 277.500



32, 3.267, 195.052



52, 33.336, 189.687



3, 3.609, 195.100

Inverse Universe

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



31, 68.773, 37.394



41, 84.796, 38.321



40, 58.792, 57.400



30, 3.442, 16.151



28, 64.582, 37.193



1, 3.606, 15.627

Previews

White Background



This preview shows how the CIELCh color 57, 35.475, 189.699 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 57, 35.475, 189.699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

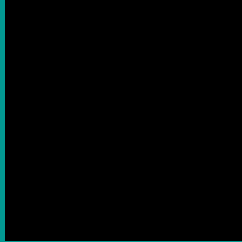
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 35.475, 189.699

Background



This preview shows how black text looks on a background with the CIELCh color 57, 35.475, 189.699.




This preview shows how white text looks on a background with the CIELCh color 57, 35.475, 189.699.

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
57, 30.640, 209.906

Trichromacy



Original Color
57, 35.431, 189.695

Protanomaly
55, 18.897, 194.093

Deuteranomaly
55, 17.264, 215.483

Tritanomaly
57, 32.299, 201.718

Monochromacy



Original Color
57, 35.431, 189.695

Achromatopsia
45, 0.006, 296.813

Achromatomaly
48, 19.383, 192.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 35.475, 189.699 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(2, 153, 146)` looks like.

```
.text, #text, p{  
    color:rgb(2, 153, 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(2, 153, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 153, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 35.475, 189.699 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(2, 153, 146) }
```

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

```
.border{ border-color:rgb(2, 153, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 153, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 153, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 153, 146);  
box-shadow:4px 4px 4px 4px rgb(2, 153,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 35.475, 189.699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 153, 146) }
```

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

```
.background{ background-color: rgb(2, 153,  
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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