

Converting Colors

CIELCh(37, 39.869, 196.549)

Have a look what the booklet for
CIELCh(37, 39.869, 196.549)
contains.

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Color

CIELCh(39, 25.589, 197.805)

Conversions

Conversions Part 1

Format	Color
Hex	006768
RGB	0, 103, 104
RGB Percent	0%, 40%, 41%
CMY	1.0000, 0.5968, 0.5928
CMYK	1.00, 0.01, 0.00, 0.59
HSL	181°, 100%, 20%
HSV	181°, 100%, 41%
XYZ	7.3175, 10.6589, 14.7223
YIQ	72.3170, -61.7090, -21.5250

Conversions

Conversions Part 2

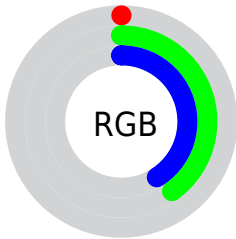
Format	Color
RYB	0, 52, 104
Decimal	26472
CIELab	39.00, -24.36, -7.82
CIELCh	39, 25.589, 197.805
Yxy	10.6589, 0.2238, 0.3260
Android (android.graphics.Color)	4278216552 (0xFF006768)
YUV	72.3170, 15.6197, -63.4220
Hunter-Lab	32.6480, -17.1261, -3.8825

Details

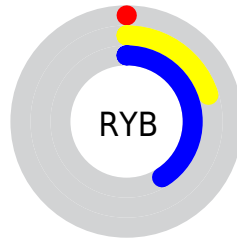
The CIELCh color **39, 25.589, 197.805** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **20, 51.140, 36.449**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 25.693, 197.134**, and **20, 16.561, 201.264** is the 20% darker color. If you saturate the color by 10%, you get **39, 25.558, 197.809**, and if you desaturate by 10%, it is **39, 24.816, 197.789**.

Distribution



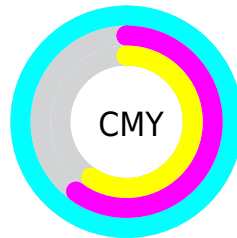
- Red (0%)
- Green (40%)
- Blue (41%)



- Red (0%)
- Yellow (20%)
- Blue (41%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (59%)





- Cyan (100%)
- Magenta (60%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 25.589, 197.805 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 39, 25.589, 197.805 by changing the saturation by 10% instead.


 39, 25.589,
197.805


 39, 25.589,
197.805

 100, 25.589,
197.805


 29, 25.589,
197.805

 59, 25.589,
197.805


 19, 25.589,
197.805


 69, 25.589,
197.805

 9, 25.589, 197.805

 79, 25.589,
197.805

 0, 25.589, 197.805

 89, 25.589,
197.805

 99, 25.589,
197.805

■ 39, 25.589,
197.805

■ 39, 25.589,
197.805

■ 39, 25.558,
197.809

■ 39, 24.816,
197.789

■ 39, 23.829,
197.803

■ 40, 22.351,
197.889

■ 40, 20.374,
198.045

■ 40, 17.913,
198.272

■ 41, 15.005,
198.565

■ 42, 11.701,
198.919

■ 42, 8.058, 199.332

Harmonies

Complementary

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



39, 25.589, 197.805



20, 51.140, 36.449

Rectangle

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



39, 25.589, 197.805



39, 25.589, 247.805



39, 25.589, 17.805



39, 25.589, 67.805

Sweetspot

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



39, 25.558, 197.809



53, 14.485, 198.887



38, 61.889, 136.016



27, 9.846, 198.772



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



39, 25.558, 197.809



50, 30.850, 197.850



22, 35.403, 281.388



21, 2.295, 199.879



43, 27.432, 197.825



86, 47.536, 197.914

Inverse Universe

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



23, 59.288, 328.598



32, 71.576, 328.609



28, 43.161, 62.476



20, 4.202, 325.133



26, 63.640, 328.602



57, 110.315, 328.625

Previews

White Background



This preview shows how the CIELCh color 39, 25.589, 197.805 looks on a white 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

Black Background



This preview shows how the CIELCh color 39, 25.589, 197.805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

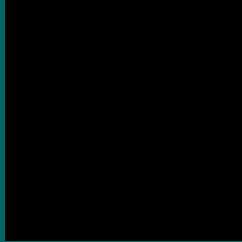
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 25.589, 197.805

Background



This preview shows how black text looks on a background with the CIELCh color 39, 25.589, 197.805.



This preview shows how white text looks on a background with the CIELCh color 39, 25.589, 197.805.

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

39, 25.589, 197.805

Protanopia

39, 3.709, 297.130

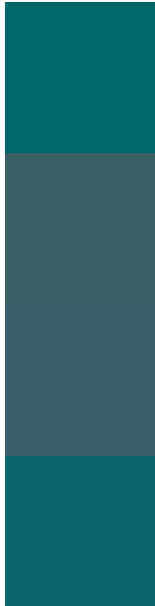
Deuteranopia

39, 10.570, 300.387



Tritanopia
39, 23.310, 209.080

Trichromacy



Original Color
39, 25.589, 197.805

Protanomaly
38, 13.351, 208.524

Deuteranomaly
38, 13.904, 227.404

Tritanomaly
39, 24.035, 205.573

Monochromacy



Original Color
39, 25.589, 197.805

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 13.754, 200.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 25.589, 197.805 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, 103, 104)` looks like.

```
.text, #text, p{  
    color:rgb(0, 103, 104)  
}
```

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, 103, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 25.589, 197.805 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, 103, 104) }
```

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

```
.border{ border-color:rgb(0, 103, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 103, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 103, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 103, 104);  
box-shadow:4px 4px 4px 4px rgb(0, 103,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 25.589, 197.805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 103, 104) }
```

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

```
.background{ background-color: rgb(0, 103,  
104) }
```

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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