

Converting Colors

CIELCh(54, 61.664, 186.783)

Have a look what the booklet for
CIELCh(54, 61.664, 186.783)
contains.

CIELCh(57, 37.343, 183.610)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(57, 37.343, 183.610)

Conversions

Conversions Part 1

Format	Color
Hex	009A8C
RGB	0, 154, 140
RGB Percent	0%, 60%, 55%
CMY	1.0000, 0.3969, 0.4518
CMYK	1.00, 0.00, 0.09, 0.40
HSL	175°, 100%, 30%
HSV	175°, 100%, 60%
XYZ	16.2287, 24.9227, 28.6860
YIQ	106.3580, -87.2900, -37.0020

Conversions

Conversions Part 2

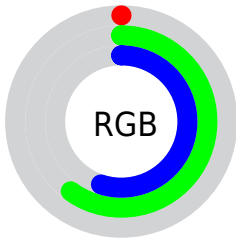
Format	Color
RYB	0, 81, 154
Decimal	39564
CIELab	57.00, -37.27, -2.35
CIELCh	57, 37.343, 183.610
Yxy	24.9227, 0.2324, 0.3569
Android (android.graphics.Color)	4278229644 (0xFF009A8C)
YUV	106.3580, 16.5855, -93.2760
Hunter-Lab	49.9226, -29.3384, 0.8772

Details

The CIELCh color **57, 37.343, 183.610** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **32, 67.830, 35.651**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 37.455, 183.341**, and **38, 28.452, 180.848** is the 20% darker color. If you saturate the color by 10%, you get **57, 37.308, 183.600**, and if you desaturate by 10%, it is **57, 36.230, 184.622**.

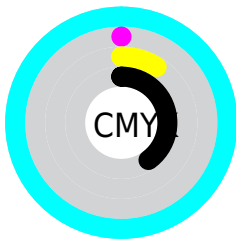
Distribution



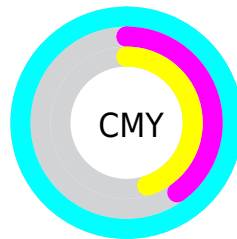
- Red (0%)
- Green (60%)
- Blue (55%)



- Red (0%)
- Yellow (32%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 37.343, 183.610 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, 37.343, 183.610 by changing the saturation by 10% instead.


 57, 37.343,
183.610


 57, 37.343,
183.610


 100, 37.343,
183.610


 47, 37.343,
183.610


 77, 37.343,
183.610

 37, 37.343,
183.610

 87, 37.343,
183.610

 27, 37.343,
183.610

 97, 37.343,
183.610

 17, 37.343,
183.610

 7, 37.343, 183.610

 0, 37.343, 183.610

■ 57, 37.343,
183.610

■ 57, 37.343,
183.610

■ 57, 37.308,
183.600

■ 57, 36.230,
184.622

■ 57, 34.655,
185.591

■ 58, 32.390,
186.489

■ 58, 29.419,
187.332

■ 59, 25.768,
188.138

■ 59, 21.500,
188.918

■ 60, 16.696,
189.683

■ 61, 11.449,

190.443

■ 62, 5.853, 191.221

Harmonies

Complementary

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



57, 37.343, 183.610



32, 67.830, 35.651

Rectangle

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



57, 37.343, 183.610



57, 37.343, 233.610



57, 37.343, 3.610



57, 37.343, 53.610

Sweetspot

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



57, 37.308, 183.600



76, 20.552, 189.639



55, 81.500, 135.470



39, 13.808, 189.345



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, 37.308, 183.600



72, 45.222, 183.374



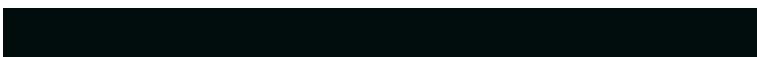
38, 39.938, 271.565



32, 3.299, 191.285



52, 34.853, 183.694



3, 3.641, 191.092

Inverse Universe

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



32, 67.830, 35.651



41, 82.901, 36.512



38, 61.079, 53.700



30, 3.458, 12.543



28, 63.118, 35.244



1, 3.632, 12.004

Previews

White Background



This preview shows how the CIELCh color 57, 37.343, 183.610 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, 37.343, 183.610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

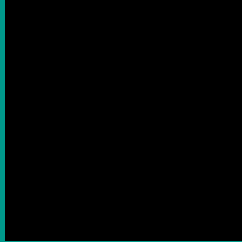
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 37.343, 183.610

Background



This preview shows how black text looks on a background with the CIELCh color 57, 37.343, 183.610.

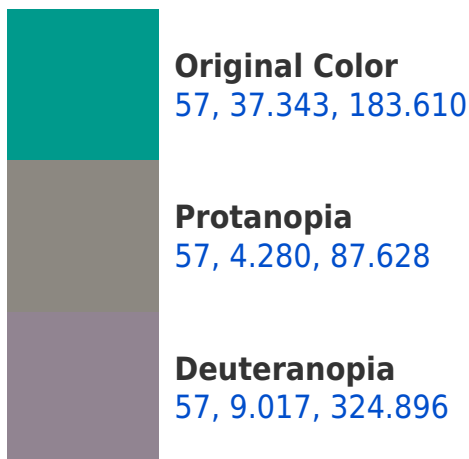


This preview shows how white text looks on a background with the CIELCh color 57, 37.343, 183.610.

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, 30.018, 211.392

Trichromacy



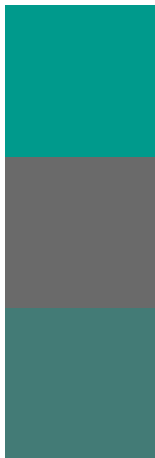
Original Color
57, 37.343, 183.610

Protanomaly
55, 19.813, 182.287

Deuteranomaly
55, 16.772, 203.782

Tritanomaly
57, 32.078, 200.717

Monochromacy



Original Color
57, 37.343, 183.610

Achromatopsia
45, 0.006, 296.813

Achromatomaly
48, 19.993, 188.721

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 37.343, 183.610 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, 154, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 140)  
}
```

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, 154, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 37.343, 183.610 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, 154, 140) }
```

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

```
.border{ border-color:rgb(0, 154, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 154, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 37.343, 183.610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 140) }
```

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

```
.background{ background-color: rgb(0, 154,  
140) }
```

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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