

Converting Colors

CIELCh(57, 41.419, 173.972)

Have a look what the booklet for
CIELCh(57, 41.419, 173.972)
contains.

CIELCh(57, 41.368, 173.793)	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, 41.368, 173.793)

Conversions

Conversions Part 1

Format	Color
Hex	009B80
RGB	0, 155, 128
RGB Percent	0%, 61%, 50%
CMY	1.0000, 0.3930, 0.4988
CMYK	1.00, 0.00, 0.17, 0.39
HSL	170°, 100%, 30%
HSV	170°, 100%, 61%
XYZ	15.5612, 24.9227, 24.3451
YIQ	105.5770, -83.7130, -41.2570

Conversions

Conversions Part 2

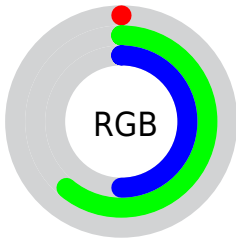
Format	Color
RYB	0, 85, 155
Decimal	39808
CIELab	57.00, -41.13, 4.47
CIELCh	57, 41.368, 173.793
Yxy	24.9227, 0.2400, 0.3844
Android (android.graphics.Color)	4278229888 (0xFF009B80)
YUV	105.5770, 11.0545, -92.5910
Hunter-Lab	49.9226, -31.7251, 6.0327

Details

The CIELCh color **57, 41.368, 173.793** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **32, 64.628, 30.522**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 41.223, 174.159**, and **38, 32.798, 168.806** is the 20% darker color. If you saturate the color by 10%, you get **57, 41.335, 173.777**, and if you desaturate by 10%, it is **57, 39.732, 175.366**.

Distribution



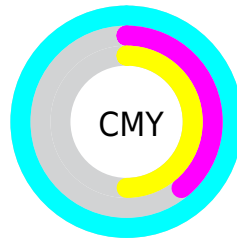
- Red (0%)
- Green (61%)
- Blue (50%)



- Red (0%)
- Yellow (33%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (39%)





- Cyan (100%)
- Magenta (39%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 41.368, 173.793 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, 41.368, 173.793 by changing the saturation by 10% instead.


 57, 41.368,
173.793


 57, 41.368,
173.793


 100, 41.368,
173.793


 47, 41.368,
173.793


 77, 41.368,
173.793

 37, 41.368,
173.793

 87, 41.368,
173.793

 27, 41.368,
173.793

 97, 41.368,
173.793

 17, 41.368,
173.793

 7, 41.368, 173.793

 0, 41.368, 173.793

■ 57, 41.368,
173.793

■ 57, 41.368,
173.793

■ 57, 41.335,
173.777

■ 57, 39.732,
175.366

■ 57, 37.643,
176.861

■ 58, 34.876,
178.213

■ 58, 31.423,
179.441

■ 59, 27.321,
180.568

■ 60, 22.641,
181.613

■ 61, 17.471,
182.595

■ 62, 11.910,

183.531

■ 63, 6.056, 184.447

Harmonies

Complementary

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



57, 41.368, 173.793



32, 64.628, 30.522

Rectangle

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



57, 41.368, 173.793



57, 41.368, 223.793



57, 41.368, 353.793



57, 41.368, 43.793

Sweetspot

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



57, 41.335, 173.777



77, 21.621, 182.539



56, 81.076, 134.719



40, 14.712, 182.159



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



57, 41.335, 173.777



73, 50.459, 173.413



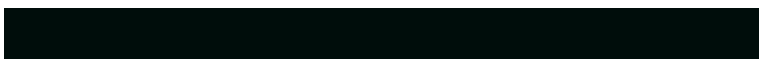
42, 34.417, 258.394



32, 3.394, 184.521



52, 38.390, 173.937



3, 3.740, 184.196

Inverse Universe

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



32, 64.628, 30.522



42, 79.398, 31.649



36, 64.220, 48.730



30, 3.526, 5.979



29, 59.858, 30.015



1, 3.717, 5.450

Previews

White Background



This preview shows how the CIELCh color 57, 41.368, 173.793 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, 41.368, 173.793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

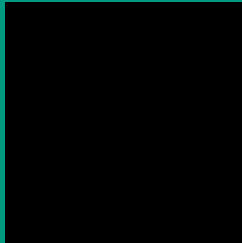
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 41.368, 173.793

Background



This preview shows how black text looks on a background with the CIELCh color 57, 41.368, 173.793.

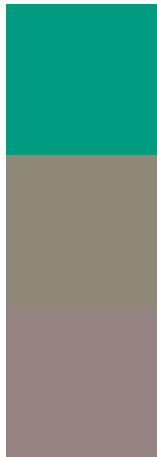


This preview shows how white text looks on a background with the CIELCh color 57, 41.368, 173.793.

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
57, 41.368, 173.793

Protanopia
57, 10.624, 93.076

Deuteranopia
57, 7.265, 15.643



Tritanopia
57, 29.161, 210.702

Trichromacy



Original Color
57, 41.368, 173.793



Protanomaly
55, 23.021, 165.640



Deuteranomaly
55, 17.420, 180.347

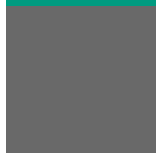


Tritanomaly
57, 32.645, 194.463

Monochromacy



Original Color
57, 41.368, 173.793



Achromatopsia
44, 0.006, 296.813



Achromatomaly
48, 21.086, 180.789

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 41.368, 173.793 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, 155, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 128)  
}
```

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, 155, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 41.368, 173.793 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, 155, 128) }
```

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

```
.border{ border-color:rgb(0, 155, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 155, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 41.368, 173.793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 128) }
```

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

```
.background{ background-color: rgb(0, 155,  
128) }
```

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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