

Converting Colors

CIELCh(59, 46.921, 173.570)

Have a look what the booklet for
CIELCh(59, 46.921, 173.570)
contains.

CIELCh(59, 43.693, 171.924)	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(59, 43.693, 171.924)

Conversions

Conversions Part 1

Format	Color
Hex	00A182
RGB	0, 161, 130
RGB Percent	0%, 63%, 51%
CMY	1.0000, 0.3691, 0.4904
CMYK	1.00, 0.00, 0.19, 0.37
HSL	168°, 100%, 32%
HSV	168°, 100%, 63%
XYZ	16.6947, 27.0277, 25.4335
YIQ	109.3270, -86.0050, -43.7730

Conversions

Conversions Part 2

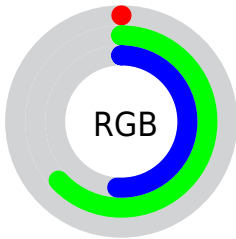
Format	Color
RYB	0, 89, 161
Decimal	41346
CIELab	59.00, -43.26, 6.14
CIELCh	59, 43.693, 171.924
Yxy	27.0277, 0.2414, 0.3908
Android (android.graphics.Color)	4278231426 (0xFF00A182)
YUV	109.3270, 10.1918, -95.8798
Hunter-Lab	51.9882, -33.6587, 7.3861

Details

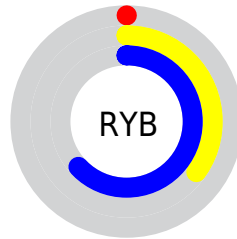
The CIELCh color **59, 43.693, 171.924** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **33, 65.821, 29.402**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **79, 43.687, 171.731**, and **40, 34.680, 167.164** is the 20% darker color. If you saturate the color by 10%, you get **59, 43.515, 171.838**, and if you desaturate by 10%, it is **59, 41.760, 173.528**.

Distribution



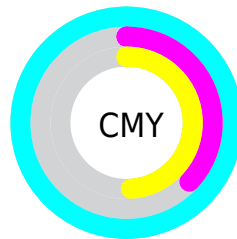
- Red (0%)
- Green (63%)
- Blue (51%)



- Red (0%)
- Yellow (35%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (37%)




- Cyan (100%)
- Magenta (37%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 43.693, 171.924 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 59, 43.693, 171.924 by changing the saturation by 10% instead.

 59, 43.693,
171.924

 59, 43.693,
171.924


 100, 43.693,
171.924

 49, 43.693,
171.924


 79, 43.693,
171.924

 39, 43.693,
171.924

 89, 43.693,
171.924

 29, 43.693,
171.924

 99, 43.693,
171.924

 19, 43.693,
171.924

 9, 43.693, 171.924

 0, 43.693, 171.924

■ 59, 43.693,
171.924

■ 59, 43.693,
171.924

■ 59, 43.515,
171.838

■ 59, 41.760,
173.528

■ 59, 39.496,
175.114

■ 60, 36.537,
176.547

■ 60, 32.873,
177.843

■ 61, 28.544,
179.026

■ 62, 23.625,
180.118

■ 63, 18.209,
181.137

■ 64, 12.400,

182.102

■ 65, 6.298, 183.041

Harmonies

Complementary

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



59, 43.693, 171.924



33, 65.821, 29.402

Rectangle

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



59, 43.693, 171.924



59, 43.693, 221.924



59, 43.693, 351.924



59, 43.693, 41.924

Sweetspot

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



59, 43.515, 171.838



80, 22.511, 181.081



58, 83.221, 134.552



41, 15.173, 180.685



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



59, 43.515, 171.838



75, 53.116, 171.468



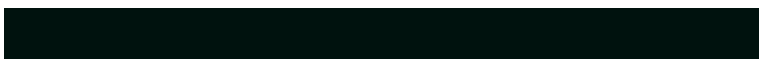
45, 34.529, 255.533



34, 3.608, 183.110



54, 40.314, 172.006



4, 5.808, 180.316

Inverse Universe

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



33, 65.821, 29.402



44, 80.776, 30.512



37, 66.736, 47.780



32, 3.743, 4.614



30, 60.835, 28.886



1, 5.654, 5.235

Previews

White Background



This preview shows how the CIE LCh color 59, 43.693, 171.924 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 59, 43.693, 171.924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

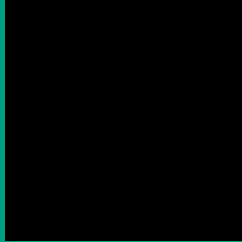
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 43.693, 171.924

Background



This preview shows how black text looks on a background with the CIELCh color 59, 43.693, 171.924.

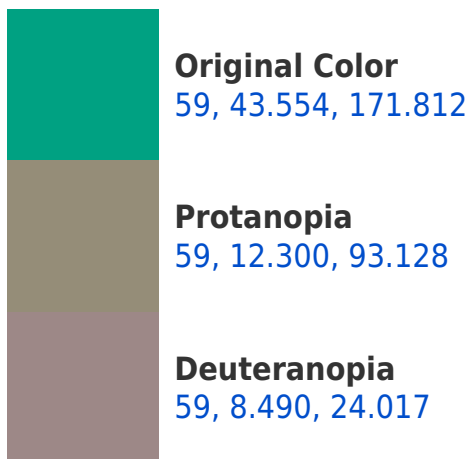


This preview shows how white text looks on a background with the CIELCh color 59, 43.693, 171.924.

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
59, 29.902, 210.258

Trichromacy



Original Color
59, 43.554, 171.812



Protanomaly
57, 24.261, 162.853



Deuteranomaly
57, 18.105, 175.366



Tritanomaly
59, 33.873, 192.573

Monochromacy



Original Color
59, 43.554, 171.812



Achromatopsia
46, 0.006, 296.813



Achromatomaly
49, 22.118, 180.052

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 43.693, 171.924 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, 161, 130)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 130)  
}
```

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, 161, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 43.693, 171.924 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, 161, 130) }
```

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

```
.border{ border-color:rgb(0, 161, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 130);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 43.693, 171.924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 130) }
```

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

```
.background{ background-color: rgb(0, 161,  
130) }
```

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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