

Converting Colors

CIELCh(61, 41.113, 179.261)

Have a look what the booklet for
CIELCh(61, 41.113, 179.261)
contains.

CIELCh(61, 41.111, 179.102)	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(61, 41.111, 179.102)

Conversions

Conversions Part 1

Format	Color
Hex	00A691
RGB	0, 166, 145
RGB Percent	0%, 65%, 57%
CMY	1.0000, 0.3497, 0.4320
CMYK	1.00, 0.00, 0.13, 0.35
HSL	172°, 100%, 33%
HSV	172°, 100%, 65%
XYZ	18.6969, 29.2481, 31.3848
YIQ	113.9720, -92.1950, -41.7230

Conversions

Conversions Part 2

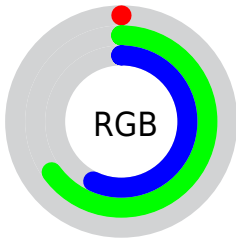
Format	Color
RYB	0, 89, 166
Decimal	42641
CIELab	61.00, -41.11, 0.64
CIElCh	61, 41.111, 179.102
Yxy	29.2481, 0.2357, 0.3687
Android (android.graphics.Color)	4278232721 (0xFF00A691)
YUV	113.9720, 15.2968, -99.9534
Hunter-Lab	54.0815, -32.9323, 3.4497

Details

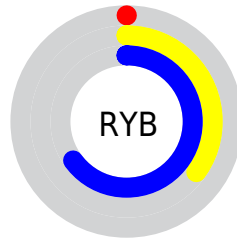
The CIELCh color **61, 41.111, 179.102** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **34, 70.365, 33.971**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **81, 41.202, 179.206**, and **42, 32.132, 175.945** is the 20% darker color. If you saturate the color by 10%, you get **61, 41.085, 179.092**, and if you desaturate by 10%, it is **61, 39.771, 180.412**.

Distribution



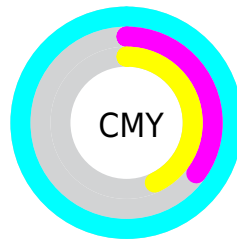
- Red (0%)
- Green (65%)
- Blue (57%)



- Red (0%)
- Yellow (35%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 41.111, 179.102 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 61, 41.111, 179.102 by changing the saturation by 10% instead.


 61, 41.111,
179.102


 61, 41.111,
179.102


 100, 41.111,
179.102


 51, 41.111,
179.102


 81, 41.111,
179.102


 41, 41.111,
179.102


 91, 41.111,
179.102

 31, 41.111,
179.102

 21, 41.111,
179.102

 11, 41.111,
179.102

 1, 41.111, 179.102

 0, 41.111, 179.102

■ 61, 41.111,
179.102

■ 61, 41.111,
179.102

■ 61, 41.085,
179.092

■ 61, 39.771,
180.412

■ 61, 37.916,
181.648

■ 62, 35.331,
182.776

■ 62, 32.000,
183.815

■ 63, 27.956,
184.783

■ 64, 23.267,
185.697

■ 65, 18.025,
186.574

■ 66, 12.332,

187.425

■ 67, 6.291, 188.277

Harmonies

Complementary

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



61, 41.111, 179.102



34, 70.365, 33.971

Rectangle

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



61, 41.111, 179.102



61, 41.111, 229.102



61, 41.111, 359.102



61, 41.111, 49.102

Sweetspot

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



61, 41.085, 179.092



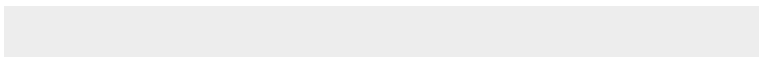
82, 22.377, 186.525



59, 85.903, 135.257



43, 15.198, 186.173



94, 0.011, 296.813



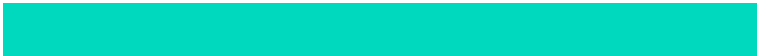
46, 0.006, 296.813

Same Dimension

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



61, 41.085, 179.092



78, 50.290, 178.810



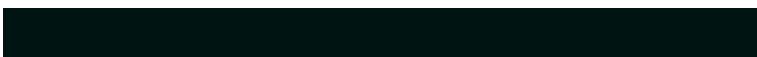
43, 39.740, 267.026



35, 3.608, 188.339



55, 37.720, 179.235



5, 6.792, 185.524

Inverse Universe

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



34, 70.365, 33.971



45, 86.785, 34.911



40, 65.869, 51.338



33, 3.770, 9.722



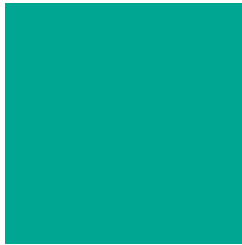
30, 64.351, 33.474



1, 6.668, 10.420

Previews

White Background



This preview shows how the CIELCh color 61, 41.111, 179.102 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 61, 41.111, 179.102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

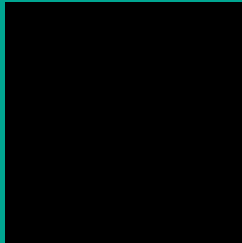
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 41.111, 179.102

Background



This preview shows how black text looks on a background with the CIELCh color 61, 41.111, 179.102.

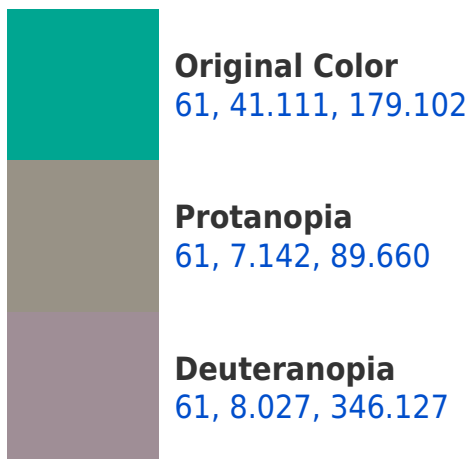


This preview shows how white text looks on a background with the CIELCh color 61, 41.111, 179.102.

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
61, 31.519, 210.491

Trichromacy



Original Color
61, 41.111, 179.102



Protanomaly
59, 22.062, 174.651



Deuteranomaly
59, 17.759, 192.246



Tritanomaly
61, 34.237, 197.479

Monochromacy



Original Color
61, 41.111, 179.102



Achromatopsia
48, 0.006, 296.813



Achromatomaly
51, 21.650, 184.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 41.111, 179.102 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, 166, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 145)  
}
```

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, 166, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 41.111, 179.102 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, 166, 145) }
```

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

```
.border{ border-color:rgb(0, 166, 145) }
```

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

Here you see how a box with a 4 pixel rgb(0, 166, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 41.111, 179.102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 145) }
```

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

```
.background{ background-color: rgb(0, 166,  
145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor