

Converting Colors

CIELCh(80, 58.067, 168.927)

Have a look what the booklet for
CIELCh(80, 58.067, 168.927)
contains.

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Color

CIELCh(80, 58.067, 168.814)

Conversions

Conversions Part 1

Format	Color
Hex	00E1B0
RGB	0, 225, 176
RGB Percent	0%, 88%, 69%
CMY	1.0000, 0.1196, 0.3116
CMYK	1.00, 0.00, 0.22, 0.12
HSL	167°, 100%, 44%
HSV	167°, 100%, 88%
XYZ	34.5469, 56.6813, 49.9536
YIQ	152.1390, -118.3710, -62.9390

Conversions

Conversions Part 2

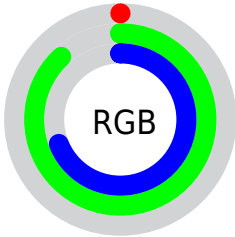
Format	Color
RYB	0, 126, 225
Decimal	57776
CIELab	80.00, -56.96, 11.26
CIELCh	80, 58.067, 168.814
Yxy	56.6813, 0.2447, 0.4015
Android (android.graphics.Color)	4278247856 (0xFF00E1B0)
YUV	152.1390, 11.7635, -133.4259
Hunter-Lab	75.2870, -49.8439, 13.3614

Details

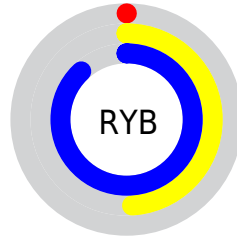
The CIELCh color **80, 58.067, 168.814** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **47, 83.955, 28.828**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 44.764, 181.101**, and **61, 49.495, 164.672** is the 20% darker color. If you saturate the color by 10%, you get **80, 57.995, 168.783**, and if you desaturate by 10%, it is **80, 55.683, 170.692**.

Distribution



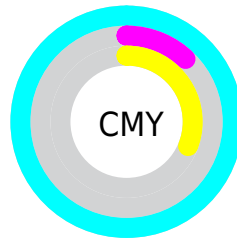
- Red (0%)
- Green (88%)
- Blue (69%)



- Red (0%)
- Yellow (49%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 58.067, 168.814 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 80, 58.067, 168.814 by changing the saturation by 10% instead.

 80, 58.067,
168.814


 80, 58.067,
168.814


 100, 58.067,
168.814


 70, 58.067,
168.814

 60, 58.067,
168.814

 50, 58.067,
168.814

 40, 58.067,
168.814

 30, 58.067,
168.814

 20, 58.067,
168.814

 10, 58.067,

168.814

■ 0, 58.067, 168.814

■ 80, 58.067,
168.814

■ 80, 58.067,
168.814

■ 80, 57.995,
168.783

■ 80, 55.683,
170.692

■ 81, 52.642,
172.456

■ 81, 48.686,
174.042

■ 82, 43.793,
175.469

■ 82, 38.012,
176.761

■ 84, 31.443,
177.941

■ 85, 24.216,
179.031

■ 86, 16.475,
180.054

■ 88, 8.359, 181.039

Harmonies

Complementary

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



80, 58.067, 168.814



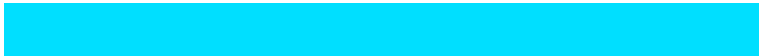
47, 83.955, 28.828

Rectangle

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



80, 58.067, 168.814



80, 58.067, 218.814



80, 58.067, 348.814



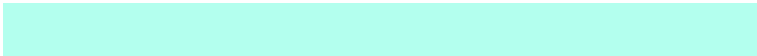
80, 58.067, 38.814

Sweetspot

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



80, 57.995, 168.783



95, 26.838, 179.009



79, 106.398, 134.355



50, 18.118, 178.555



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 57.995, 168.783



90, 63.982, 168.633



63, 42.578, 250.324



46, 4.748, 181.094



64, 48.123, 169.124



17, 18.897, 172.708

Inverse Universe

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



47, 83.955, 28.828



54, 92.772, 29.254



51, 87.784, 45.543



44, 4.919, 2.707



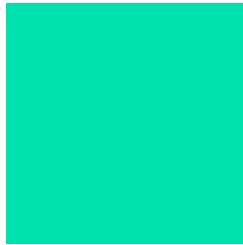
37, 69.414, 27.844



6, 25.282, 11.695

Previews

White Background



This preview shows how the CIE LCh color 80, 58.067, 168.814 looks on a white background.

Color Contrast Check

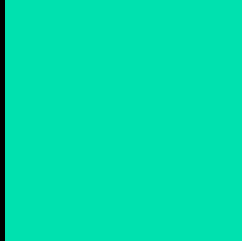
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 80, 58.067, 168.814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

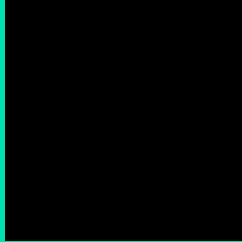
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

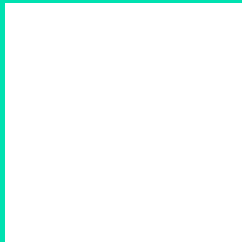
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 58.067, 168.814

Background



This preview shows how black text looks on a background with the CIELCh color 80, 58.067, 168.814.

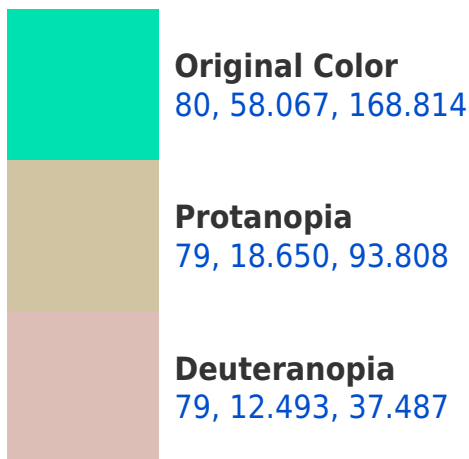


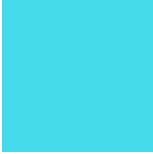
This preview shows how white text looks on a background with the CIELCh color 80, 58.067, 168.814.

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
80, 38.367, 210.780

Trichromacy



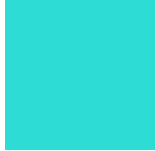
Original Color
80, 58.067, 168.814



Protanomaly
77, 33.787, 158.825

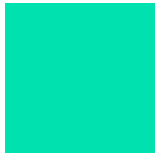


Deuteranomaly
77, 25.258, 168.233



Tritanomaly
80, 43.887, 191.481

Monochromacy



Original Color
80, 58.067, 168.814



Achromatopsia
63, 0.008, 296.813



Achromatomaly
67, 28.996, 178.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 58.067, 168.814 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, 225, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 225, 176)  
}
```

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, 225, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 225, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 58.067, 168.814 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, 225, 176) }
```

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

```
.border{ border-color:rgb(0, 225, 176) }
```

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

Here you see how a box with a 4 pixel rgb(0, 225, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 225, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 225, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 225,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 58.067, 168.814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 225, 176) }
```

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

```
.background{ background-color: rgb(0, 225,  
176) }
```

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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