

Converting Colors

CIELCh(80, 59.788, 166.538)

Have a look what the booklet for
CIELCh(80, 59.788, 166.538)
contains.

CIELCh(80, 59.716, 166.682)	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(80, 59.716, 166.682)

Conversions

Conversions Part 1

Format	Color
Hex	01E1AB
RGB	1, 225, 171
RGB Percent	0%, 88%, 67%
CMY	0.9964, 0.1184, 0.3301
CMYK	1.00, 0.00, 0.24, 0.12
HSL	166°, 99%, 44%
HSV	166°, 100%, 88%
XYZ	34.2151, 56.6813, 47.5722
YIQ	151.8680, -116.1700, -64.2820

Conversions

Conversions Part 2

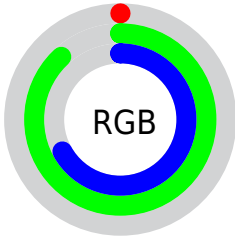
Format	Color
R_{YB}	1, 128, 225
Decimal	123307
CIE _{Lab}	80.00, -58.11, 13.76
CIE _{LCh}	80, 59.716, 166.682
Yxy	56.6813, 0.2471, 0.4093
Android (android.graphics.Color)	4278313387 (0xFF01E1AB)
YUV	151.8680, 9.4321, -132.3112
Hunter-Lab	75.2870, -50.6306, 15.2368

Details

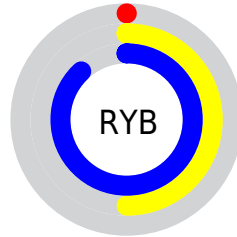
The CIELCh color **80, 59.716, 166.682** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **47, 82.599, 26.787**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 46.242, 177.488**, and **61, 51.006, 162.690** is the 20% darker color. If you saturate the color by 10%, you get **80, 59.815, 166.602**, and if you desaturate by 10%, it is **80, 57.158, 168.673**.

Distribution



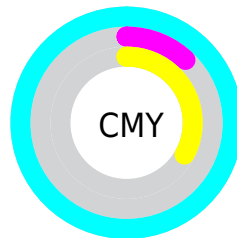
- Red (0%)
- Green (88%)
- Blue (67%)



- Red (0%)
- Yellow (50%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 59.716, 166.682 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, 59.716, 166.682 by changing the saturation by 10% instead.


 80, 59.716,
166.682

 80, 59.716,
166.682


 100, 59.716,
166.682


 70, 59.716,
166.682


 60, 59.716,
166.682

 50, 59.716,
166.682

 40, 59.716,
166.682

 30, 59.716,
166.682

 20, 59.716,
166.682

 10, 59.716,

166.682

■ 0, 59.716, 166.682

■ 80, 59.716,
166.682

■ 80, 59.716,
166.682

■ 80, 59.815,
166.602

■ 80, 57.158,
168.673

■ 81, 53.858,
170.510

■ 81, 49.645,
172.161

■ 82, 44.503,
173.643

■ 83, 38.488,
174.979

■ 84, 31.706,
176.194

■ 85, 24.289,
177.313

■ 86, 16.383,
178.356

■ 88, 8.128, 179.356

Harmonies

Complementary

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



80, 59.716, 166.682



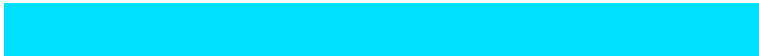
47, 82.599, 26.787

Rectangle

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



80, 59.716, 166.682



80, 59.716, 216.682



80, 59.716, 346.682



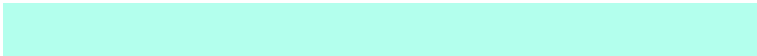
80, 59.716, 36.682

Sweetspot

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



80, 59.716, 166.681



95, 27.233, 177.247



79, 106.056, 134.103



50, 18.398, 176.780



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, 59.716, 166.681



90, 65.937, 166.447



65, 41.679, 246.720



46, 4.803, 179.372



64, 49.558, 166.960



17, 19.363, 170.725

Inverse Universe

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



47, 82.599, 26.787



54, 91.391, 27.430



51, 88.311, 44.890



44, 4.964, 1.005



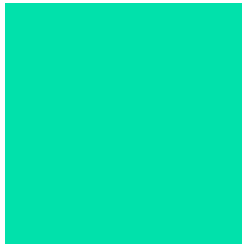
37, 68.440, 25.989



6, 25.291, 10.653

Previews

White Background



This preview shows how the CIE LCh color 80, 59.716, 166.682 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 CIELCh color 80, 59.716, 166.682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

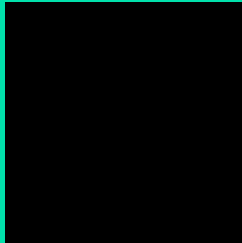
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

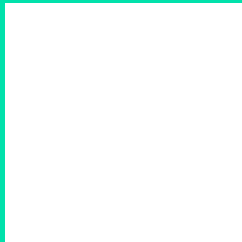
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 59.716, 166.682

Background



This preview shows how black text looks on a background with the CIELCh color 80, 59.716, 166.682.

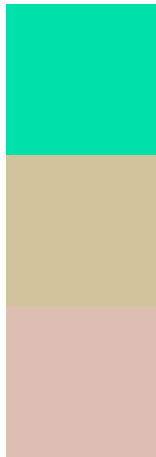


This preview shows how white text looks on a background with the CIELCh color 80, 59.716, 166.682.

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

80, 59.742, 166.694

Protanopia

79, 21.317, 94.222

Deuteranopia

79, 13.742, 45.277



Tritanopia
80, 37.936, 211.827

Trichromacy



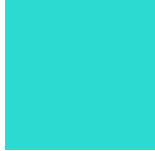
Original Color
80, 59.742, 166.694



Protanomaly
77, 35.433, 155.321



Deuteranomaly
77, 26.273, 163.993



Tritanomaly
80, 43.726, 190.746

Monochromacy



Original Color
80, 59.742, 166.694



Achromatopsia
63, 0.008, 296.813



Achromatomaly
67, 29.528, 176.084

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 59.716, 166.682 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(1, 225, 171)` looks like.

```
.text, #text, p{  
    color:rgb(1, 225, 171)  
}
```

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(1, 225, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 225, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 59.716, 166.682 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(1, 225, 171) }
```

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

```
.border{ border-color:rgb(1, 225, 171) }
```

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

Here you see how a box with a 4 pixel rgb(1, 225, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 225, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 225, 171);  
box-shadow:4px 4px 4px 4px rgb(1, 225,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 59.716, 166.682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 225, 171) }
```

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

```
.background{ background-color: rgb(1, 225,  
171) }
```

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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