

Converting Colors

CIELCh(80, 57.861, 172.574)

Have a look what the booklet for
CIELCh(80, 57.861, 172.574)
contains.

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Color

CIELCh(80, 55.779, 171.969)

Conversions

Conversions Part 1

Format	Color
Hex	00E0B6
RGB	0, 224, 182
RGB Percent	0%, 88%, 71%
CMY	1.0000, 0.1214, 0.2859
CMYK	1.00, 0.00, 0.19, 0.12
HSL	169°, 100%, 44%
HSV	169°, 100%, 88%
XYZ	35.0524, 56.6813, 53.4032
YIQ	152.2360, -120.0220, -60.5500

Conversions

Conversions Part 2

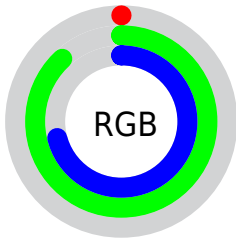
Format	Color
RYB	0, 124, 224
Decimal	57526
CIELab	80.00, -55.23, 7.79
CIELCh	80, 55.779, 171.969
Yxy	56.6813, 0.2415, 0.3905
Android (android.graphics.Color)	4278247606 (0xFF00E0B6)
YUV	152.2360, 14.6737, -133.5110
Hunter-Lab	75.2870, -48.6454, 10.6448

Details

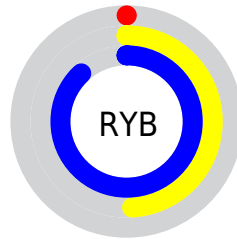
The CIELCh color **80, 55.779, 171.969** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **47, 85.563, 31.124**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 43.262, 184.901**, and **61, 47.296, 167.867** is the 20% darker color. If you saturate the color by 10%, you get **80, 55.637, 171.915**, and if you desaturate by 10%, it is **80, 53.625, 173.684**.

Distribution



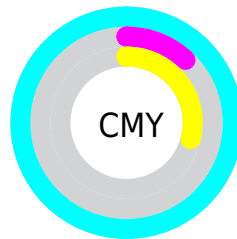
- Red (0%)
- Green (88%)
- Blue (71%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 55.779, 171.969 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, 55.779, 171.969 by changing the saturation by 10% instead.


 80, 55.779,
171.969


 80, 55.779,
171.969


 100, 55.779,
171.969


 70, 55.779,
171.969

 60, 55.779,
171.969

 50, 55.779,
171.969

 40, 55.779,
171.969

 30, 55.779,
171.969

 20, 55.779,
171.969

 10, 55.779,

171.969

■ 0, 55.779, 171.969

■ 80, 55.779,
171.969

■ 80, 55.779,
171.969

■ 80, 55.637,
171.915

■ 80, 53.625,
173.684

■ 81, 50.879,
175.315

■ 81, 47.210,
176.786

■ 82, 42.593,
178.115

■ 82, 37.072,
179.324

■ 83, 30.743,
180.438

■ 85, 23.732,
181.476

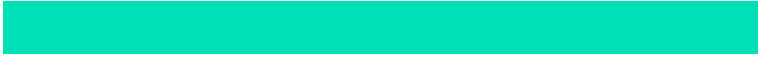
■ 86, 16.180,
182.459

■ 87, 8.226, 183.414

Harmonies

Complementary

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



80, 55.779, 171.969



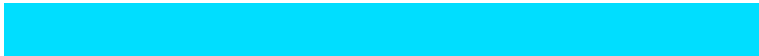
47, 85.563, 31.124

Rectangle

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



80, 55.779, 171.969



80, 55.779, 221.969



80, 55.779, 351.969



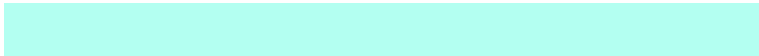
80, 55.779, 41.969

Sweetspot

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



80, 55.637, 171.915



95, 26.344, 181.455



78, 106.807, 134.769



50, 17.768, 181.021



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, 55.637, 171.915



90, 61.459, 171.773



61, 44.673, 256.814



46, 4.680, 183.468



64, 46.270, 172.228



17, 18.298, 175.521

Inverse Universe

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



47, 85.563, 31.124



53, 94.725, 31.538



52, 86.141, 47.013



44, 4.865, 5.042



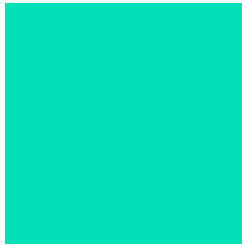
37, 70.814, 30.188



6, 25.282, 13.016

Previews

White Background



This preview shows how the CIE LCh color 80, 55.779, 171.969 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, 55.779, 171.969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

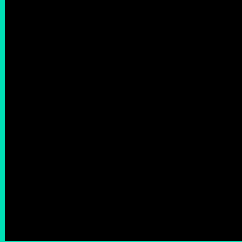
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 55.779, 171.969

Background



This preview shows how black text looks on a background with the CIELCh color 80, 55.779, 171.969.

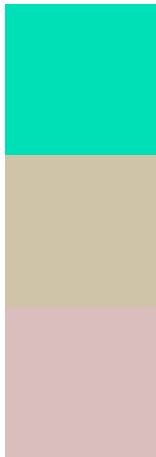


This preview shows how white text looks on a background with the CIELCh color 80, 55.779, 171.969.

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](#).

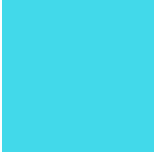
Dichromacy



Original Color
80, 55.648, 171.886

Protanopia
79, 15.469, 92.696

Deuteranopia
79, 10.587, 20.205



Tritanopia
80, 38.732, 210.625

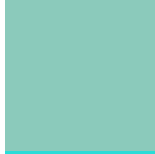
Trichromacy



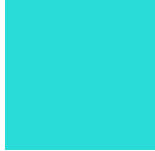
Original Color
80, 55.648, 171.886



Protanomaly
77, 31.646, 163.122



Deuteranomaly
77, 23.347, 177.393



Tritanomaly
80, 43.708, 192.896

Monochromacy



Original Color
80, 55.648, 171.886



Achromatopsia
63, 0.008, 296.813



Achromatomaly
67, 28.494, 180.082

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 55.779, 171.969 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, 224, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 182)  
}
```

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, 224, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 55.779, 171.969 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, 224, 182) }
```

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

```
.border{ border-color:rgb(0, 224, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 224, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 55.779, 171.969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 182) }
```

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

```
.background{ background-color: rgb(0, 224,  
182) }
```

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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