

Converting Colors

CIELCh(79, 68.551, 163.791)

Have a look what the booklet for
CIELCh(79, 68.551, 163.791)
contains.

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Color

CIELCh(79, 63.913, 161.989)

Conversions

Conversions Part 1

Format	Color
Hex	00DF9D
RGB	0, 223, 157
RGB Percent	0%, 87%, 62%
CMY	1.0000, 0.1271, 0.3855
CMYK	1.00, 0.00, 0.30, 0.13
HSL	162°, 100%, 44%
HSV	162°, 100%, 87%
XYZ	32.2397, 54.9284, 40.6668
YIQ	148.7990, -111.7220, -67.8020

Conversions

Conversions Part 2

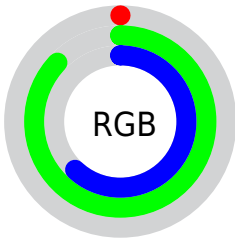
Format	Color
RYB	0, 131, 223
Decimal	57245
CIELab	79.00, -60.78, 19.76
CIELCh	79, 63.913, 161.989
Yxy	54.9284, 0.2522, 0.4297
Android (android.graphics.Color)	4278247325 (0xFF00DF9D)
YUV	148.7990, 4.0431, -130.4967
Hunter-Lab	74.1137, -52.0509, 19.3467

Details

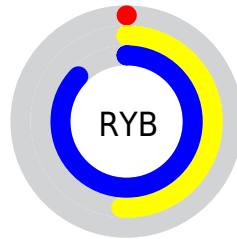
The CIELCh color **79, 63.913, 161.989** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **47, 79.621, 22.234**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 50.392, 170.013**, and **60, 55.471, 157.098** is the 20% darker color. If you saturate the color by 10%, you get **79, 63.712, 161.887**, and if you desaturate by 10%, it is **79, 60.643, 164.024**.

Distribution



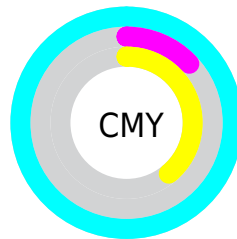
- Red (0%)
- Green (87%)
- Blue (62%)



- Red (0%)
- Yellow (51%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (13%)





- Cyan (100%)
- Magenta (13%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 63.913, 161.989 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 79, 63.913, 161.989 by changing the saturation by 10% instead.


 79, 63.913,
161.989

 79, 63.913,
161.989


 100, 63.913,
161.989


 69, 63.913,
161.989


 99, 63.913,
161.989

 59, 63.913,
161.989

 49, 63.913,
161.989

 39, 63.913,
161.989

 29, 63.913,
161.989

 19, 63.913,
161.989

 9, 63.913, 161.989

■ 0, 63.913, 161.989

■ 79, 63.913,
161.989

■ 79, 63.913,
161.989

■ 79, 63.712,
161.887

■ 79, 60.643,
164.024

■ 80, 56.863,
166.008

■ 80, 52.193,
167.791

■ 81, 46.621,
169.386

■ 82, 40.208,
170.814

■ 83, 33.063,
172.101

■ 84, 25.326,
173.273

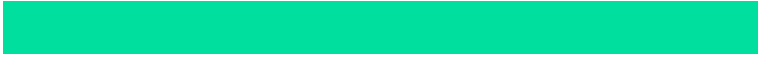
■ 85, 17.144,
174.352

■ 87, 8.658, 175.371

Harmonies

Complementary

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



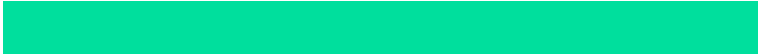
79, 63.913, 161.989



47, 79.621, 22.234

Rectangle

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



79, 63.913, 161.989



79, 63.913, 211.989



79, 63.913, 341.989



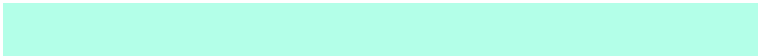
79, 63.913, 31.989

Sweetspot

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



79, 63.712, 161.887



95, 28.267, 173.247



78, 104.318, 133.304



50, 19.126, 172.761



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 63.712, 161.887



89, 70.805, 161.707



67, 39.697, 236.095



46, 4.951, 175.427



64, 53.138, 162.258



17, 20.533, 166.349

Inverse Universe

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



47, 79.621, 22.234



54, 88.478, 22.713



49, 89.910, 43.211



44, 5.090, 357.078



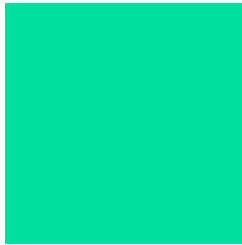
37, 66.431, 21.248



6, 25.352, 7.911

Previews

White Background



This preview shows how the CIE LCh color 79, 63.913, 161.989 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 79, 63.913, 161.989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

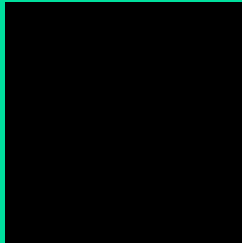
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 79, 63.913, 161.989

Background



This preview shows how black text looks on a background with the CIELCh color 79, 63.913, 161.989.

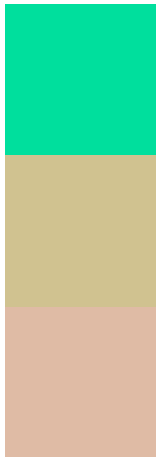


This preview shows how white text looks on a background with the CIELCh color 79, 63.913, 161.989.

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](#).

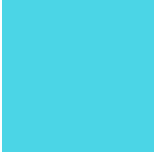
Dichromacy



Original Color
79, 63.799, 161.889

Protanopia
78, 27.107, 95.600

Deuteranopia
78, 18.623, 58.917



Tritanopia
79, 36.853, 211.474

Trichromacy



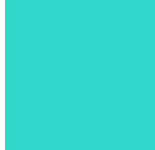
Original Color
79, 63.799, 161.889



Protanomaly
76, 39.676, 148.971

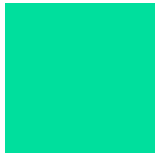


Deuteranomaly
76, 29.611, 153.764



Tritanomaly
78, 44.026, 187.164

Monochromacy



Original Color
79, 63.799, 161.889



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 31.005, 171.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 63.913, 161.989 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, 223, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 223, 157)  
}
```

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, 223, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 223, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 63.913, 161.989 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, 223, 157) }
```

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

```
.border{ border-color:rgb(0, 223, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 223, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 223, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 223, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 223,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 63.913, 161.989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 223, 157) }
```

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

```
.background{ background-color: rgb(0, 223,  
157) }
```

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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