

Converting Colors

CIELCh(78, 51.878, 175.818)

Have a look what the booklet for
CIELCh(78, 51.878, 175.818)
contains.

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Color

CIELCh(78, 51.848, 175.780)

Conversions

Conversions Part 1

Format	Color
Hex	04D9B8
RGB	4, 217, 184
RGB Percent	2%, 85%, 72%
CMY	0.9841, 0.1483, 0.2778
CMYK	0.98, 0.00, 0.15, 0.15
HSL	171°, 96%, 43%
HSV	171°, 98%, 85%
XYZ	33.5790, 53.2120, 53.9425
YIQ	149.5510, -116.3550, -55.4190

Conversions

Conversions Part 2

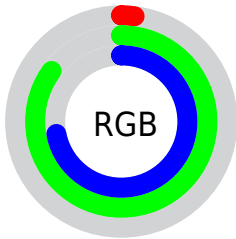
Format	Color
RYB	4, 119, 217
Decimal	317880
CIELab	78.00, -51.71, 3.82
CIELCh	78, 51.848, 175.780
Yxy	53.2120, 0.2386, 0.3781
Android (android.graphics.Color)	4278507960 (0xFF04D9B8)
YUV	149.5510, 16.9834, -127.6482
Hunter-Lab	72.9466, -45.4888, 7.2188

Details

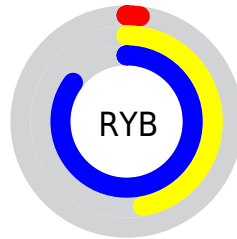
The CIELCh color **78, 51.848, 175.780** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **46, 84.199, 32.364**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 43.042, 186.268**, and **59, 43.216, 172.453** is the 20% darker color. If you saturate the color by 10%, you get **78, 52.145, 175.486**, and if you desaturate by 10%, it is **78, 50.074, 177.347**.

Distribution



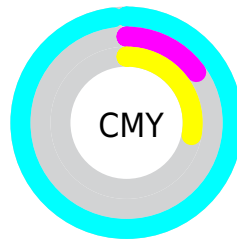
- Red (2%)
- Green (85%)
- Blue (72%)



- Red (2%)
- Yellow (47%)
- Blue (85%)



- Cyan (98%)
- Magenta (0%)
- Yellow (15%)
- Black (15%)





- Cyan (98%)
- Magenta (15%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 51.848, 175.780 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 78, 51.848, 175.780 by changing the saturation by 10% instead.


 78, 51.848,
175.780


 78, 51.848,
175.780


 100, 51.848,
175.780


 68, 51.848,
175.780


 98, 51.848,
175.780

 58, 51.848,
175.780

 48, 51.848,
175.780

 38, 51.848,
175.780

 28, 51.848,
175.780

 18, 51.848,
175.780

 8, 51.848, 175.780

■ 0, 51.848, 175.780

■ 78, 51.848,
175.780

■ 78, 51.848,
175.780

■ 78, 52.145,
175.486

■ 78, 50.074,
177.347

■ 79, 47.504,
178.777

■ 79, 44.014,
180.071

■ 80, 39.590,
181.250

■ 80, 34.283,
182.336

■ 81, 28.189,
183.350

■ 83, 21.430,
184.308

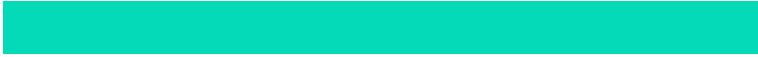
■ 84, 14.142,
185.229

■ 85, 6.457, 186.148

Harmonies

Complementary

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



78, 51.848, 175.780



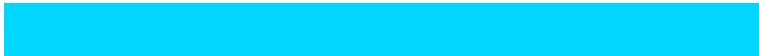
46, 84.199, 32.364

Rectangle

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



78, 51.848, 175.780



78, 51.848, 225.780



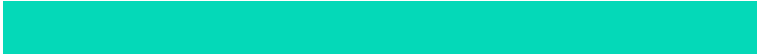
78, 51.848, 355.780



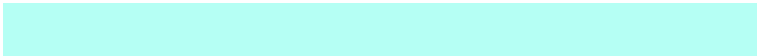
78, 51.848, 45.780

Sweetspot

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



78, 51.848, 175.779



95, 25.083, 184.202



76, 104.259, 135.069



50, 16.999, 183.793



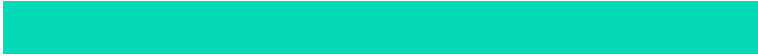
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 51.848, 175.779



90, 58.966, 175.326



58, 45.618, 261.748



45, 4.532, 186.025



63, 43.955, 175.752



16, 17.095, 178.845

Inverse Universe

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



46, 84.199, 32.364



53, 96.816, 33.694



52, 81.324, 48.977



43, 4.728, 7.535



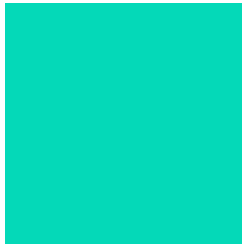
36, 71.525, 32.375



5, 23.722, 13.574

Previews

White Background



This preview shows how the CIELCh color 78, 51.848, 175.780 looks on a white background.

Color Contrast Check

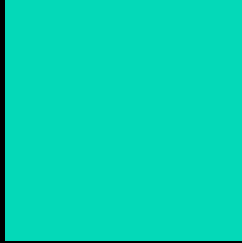
Large Text (above 18pt) WCAG AA × Fail

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 78, 51.848, 175.780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

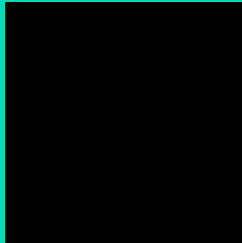
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

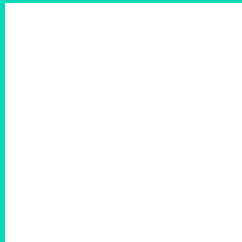
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 51.848, 175.780

Background



This preview shows how black text looks on a background with the CIELCh color 78, 51.848, 175.780.

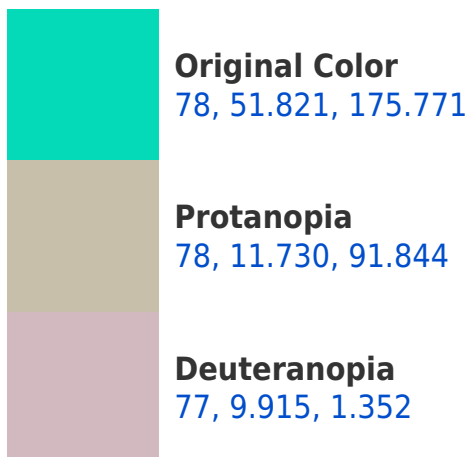


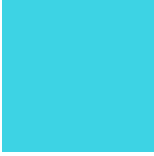
This preview shows how white text looks on a background with the CIELCh color 78, 51.848, 175.780.

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
78, 38.262, 210.857

Trichromacy



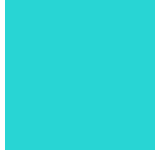
Original Color
78, 51.821, 175.771



Protanomaly
76, 28.926, 168.247



Deuteranomaly
75, 21.662, 186.203

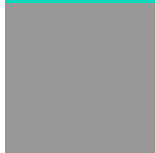


Tritanomaly
78, 42.080, 195.751

Monochromacy



Original Color
78, 51.821, 175.771



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 26.805, 182.720

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 51.848, 175.780 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(4, 217, 184)` looks like.

```
.text, #text, p{  
    color:rgb(4, 217, 184)  
}
```

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(4, 217, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 217, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 51.848, 175.780 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(4, 217, 184) }
```

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

```
.border{ border-color:rgb(4, 217, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 217, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 217, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 217, 184);  
box-shadow:4px 4px 4px 4px rgb(4, 217,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 51.848, 175.780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 217, 184) }
```

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

```
.background{ background-color: rgb(4, 217,  
184) }
```

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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