

Converting Colors

CIELCh(79, 50.115, 175.552)

Have a look what the booklet for
CIELCh(79, 50.115, 175.552)
contains.

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Color

CIELCh(79, 49.900, 175.824)

Conversions

Conversions Part 1

Format	Color
Hex	2BDBBB
RGB	43, 219, 187
RGB Percent	17%, 86%, 73%
CMY	0.8329, 0.1400, 0.2655
CMYK	0.81, 0.00, 0.15, 0.14
HSL	169°, 71%, 51%
HSV	169°, 81%, 86%
XYZ	35.3920, 54.9284, 55.9148
YIQ	162.7280, -94.6240, -47.2640

Conversions

Conversions Part 2

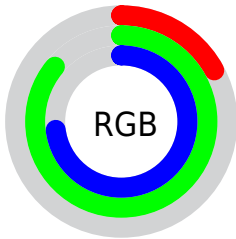
Format	Color
R_{YB}	43, 140, 219
Decimal	2874299
CIE Lab	79.00, -49.77, 3.63
CIE LCh	79, 49.900, 175.824
Yxy	54.9284, 0.2420, 0.3756
Android (android.graphics.Color)	4281064379 (0xFF2BDBBB)
YUV	162.7280, 11.9661, -105.0015
Hunter-Lab	74.1137, -44.4587, 7.1484

Details

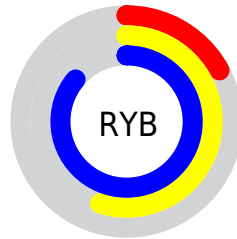
The CIELCh color **79, 49.900, 175.824** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **49, 72.178, 21.751**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.190, 187.964**, and **60, 43.164, 173.320** is the 20% darker color. If you saturate the color by 10%, you get **79, 52.504, 174.215**, and if you desaturate by 10%, it is **79, 46.392, 177.274**.

Distribution



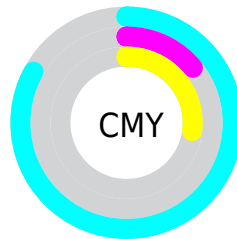
- Red (17%)
- Green (86%)
- Blue (73%)



- Red (17%)
- Yellow (55%)
- Blue (86%)



- Cyan (81%)
- Magenta (0%)
- Yellow (15%)
- Black (14%)



- Cyan (83%)
- Magenta (14%)
- Yellow (27%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 49.900, 175.824 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, 49.900, 175.824 by changing the saturation by 10% instead.

 79, 49.900,
175.824

 79, 49.900,
175.824

 100, 49.900,
175.824


 69, 49.900,
175.824


 99, 49.900,
175.824

 59, 49.900,
175.824

 49, 49.900,
175.824

 39, 49.900,
175.824

 29, 49.900,
175.824

 19, 49.900,
175.824

 9, 49.900, 175.824

■ 0, 49.900, 175.824

■ 79, 49.900,
175.824

■ 79, 49.900,
175.824

■ 79, 52.504,
174.215

■ 79, 46.392,
177.274

■ 79, 54.312,
172.579

■ 80, 41.949,
178.585

■ 81, 36.613,
179.780

■ 82, 30.473,
180.882

■ 83, 23.653,
181.911

■ 84, 16.289,
182.885

■ 86, 8.516, 183.833

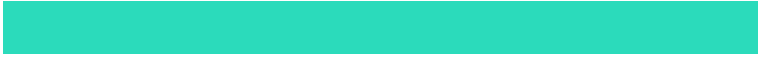
■ 87, 0.462, 185.840

■ 89, 7.764, 5.418

Harmonies

Complementary

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



79, 49.900, 175.824



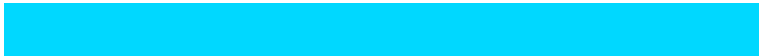
49, 72.178, 21.751

Rectangle

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



79, 49.900, 175.824



79, 49.900, 225.824



79, 49.900, 355.824



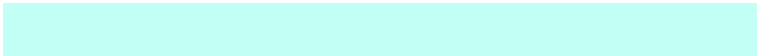
79, 49.900, 45.824

Sweetspot

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



79, 49.900, 175.823



96, 21.311, 182.537



78, 96.378, 134.646



51, 14.518, 182.186



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, 49.900, 175.823



90, 60.393, 172.948



63, 39.775, 250.482



45, 4.581, 183.942



63, 45.415, 172.883



16, 17.549, 176.303

Inverse Universe

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



49, 72.178, 21.751



54, 93.188, 30.449



56, 68.564, 49.823



43, 4.765, 5.501



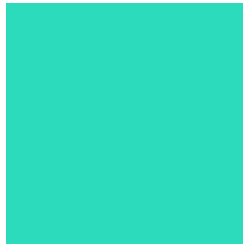
36, 70.290, 30.560



5, 23.732, 12.436

Previews

White Background



This preview shows how the CIELCh color 79, 49.900, 175.824 looks on a white background.

Color Contrast Check

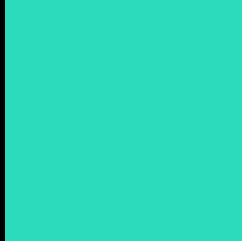
Large Text (above 18pt) WCAG AA × Fail

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, 49.900, 175.824 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

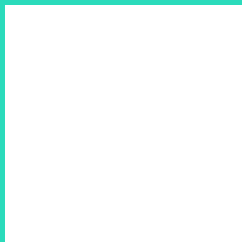
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 79, 49.900, 175.824

Background



This preview shows how black text looks on a background with the CIELCh color 79, 49.900, 175.824.

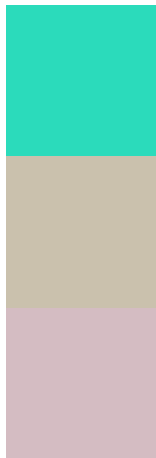


This preview shows how white text looks on a background with the CIELCh color 79, 49.900, 175.824.

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, 49.815, 175.794

Protanopia

78, 11.197, 91.131

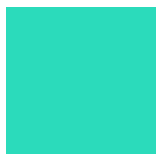
Deuteranopia

78, 9.527, 0.558

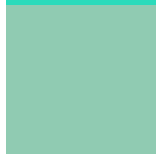


Tritanopia
79, 37.267, 212.160

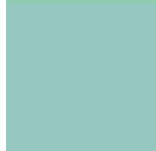
Trichromacy



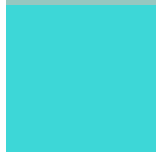
Original Color
79, 49.815, 175.794



Protanomaly
77, 25.069, 165.192

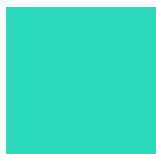


Deuteranomaly
77, 17.530, 185.643

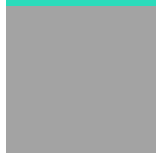


Tritanomaly
79, 40.175, 196.640

Monochromacy



Original Color
79, 49.815, 175.794



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 22.972, 182.275

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 49.900, 175.824 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(43, 219, 187)` looks like.

```
.text, #text, p{  
    color:rgb(43, 219, 187)  
}
```

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(43, 219, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 219, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 49.900, 175.824 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(43, 219, 187) }
```

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

```
.border{ border-color:rgb(43, 219, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 219, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 219, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 219, 187);  
box-shadow:4px 4px 4px 4px rgb(43, 219,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 49.900, 175.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 219, 187) }
```

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

```
.background{ background-color: rgb(43, 219,  
187) }
```

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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