

Converting Colors

CIELCh(79, 55.516, 168.710)

Have a look what the booklet for
CIELCh(79, 55.516, 168.710)
contains.

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Color

CIELCh(79, 55.519, 168.750)

Conversions

Conversions Part 1

Format	Color
Hex	21DDAE
RGB	33, 221, 174
RGB Percent	13%, 87%, 68%
CMY	0.8693, 0.1345, 0.3187
CMYK	0.85, 0.00, 0.21, 0.13
HSL	165°, 74%, 50%
HSV	165°, 85%, 87%
XYZ	34.0271, 54.9284, 48.7102
YIQ	159.4300, -96.9610, -54.4730

Conversions

Conversions Part 2

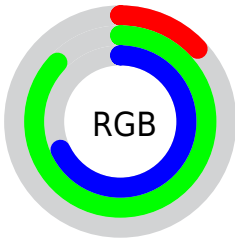
Format	Color
RYB	33, 140, 221
Decimal	2219438
CIELab	79.00, -54.45, 10.83
CIELCh	79, 55.519, 168.750
Yxy	54.9284, 0.2472, 0.3990
Android (android.graphics.Color)	4280409518 (0xFF21DDAE)
YUV	159.4300, 7.1830, -110.8791
Hunter-Lab	74.1137, -47.7459, 12.9121

Details

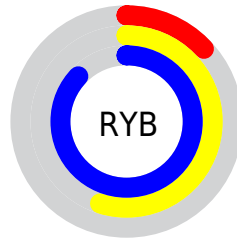
The CIELCh color **79, 55.519, 168.750** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **48, 73.482, 18.139**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 44.172, 178.827**, and **60, 48.371, 165.331** is the 20% darker color. If you saturate the color by 10%, you get **79, 58.432, 166.787**, and if you desaturate by 10%, it is **79, 51.754, 170.522**.

Distribution



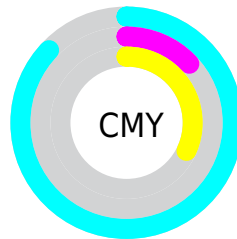
- Red (13%)
- Green (87%)
- Blue (68%)



- Red (13%)
- Yellow (55%)
- Blue (87%)



- Cyan (85%)
- Magenta (0%)
- Yellow (21%)
- Black (13%)





- Cyan (87%)
- Magenta (13%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 55.519, 168.750 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, 55.519, 168.750 by changing the saturation by 10% instead.


 79, 55.519,
168.750


 79, 55.519,
168.750


 100, 55.519,
168.750


 69, 55.519,
168.750


 99, 55.519,
168.750

 59, 55.519,
168.750

 49, 55.519,
168.750

 39, 55.519,
168.750

 29, 55.519,
168.750

 19, 55.519,
168.750

 9, 55.519, 168.750

0, 55.519, 168.750

79, 55.519,
168.750

79, 55.519,
168.750

79, 58.432,
166.787

79, 51.754,
170.522

79, 59.710,
165.753

80, 47.076,
172.112

81, 41.508,
173.540

82, 35.130,
174.831

83, 28.063,
176.009

84, 20.447,
177.098

■ 86, 12.425,
178.120

■ 87, 4.128, 179.149

■ 89, 4.326, 359.789

Harmonies

Complementary

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



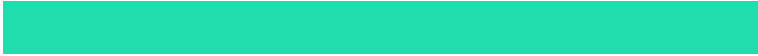
79, 55.519, 168.750



48, 73.482, 18.139

Rectangle

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



79, 55.519, 168.750



79, 55.519, 218.750



79, 55.519, 348.750



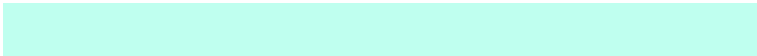
79, 55.519, 38.750

Sweetspot

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



79, 55.519, 168.749



96, 23.065, 177.066



78, 97.854, 133.091



50, 15.629, 176.689



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, 55.519, 168.749



90, 66.768, 165.571



67, 38.294, 237.042



45, 4.737, 178.668



63, 49.613, 166.117



16, 18.859, 170.180

Inverse Universe

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



48, 73.482, 18.139



54, 90.839, 26.640



53, 76.066, 44.546



43, 4.891, 0.301



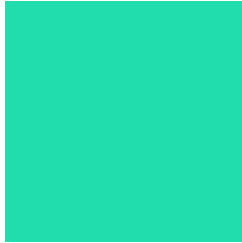
36, 67.291, 25.122



5, 23.800, 9.380

Previews

White Background



This preview shows how the CIELCh color 79, 55.519, 168.750 looks on a white background.

Color Contrast Check

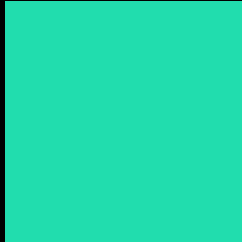
Large Text (above 18pt) WCAG AA × Fail

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 79, 55.519, 168.750 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

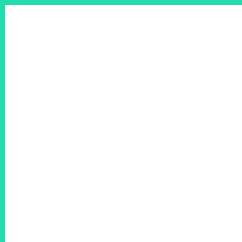
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 79, 55.519, 168.750

Background



This preview shows how black text looks on a background with the CIELCh color 79, 55.519, 168.750.

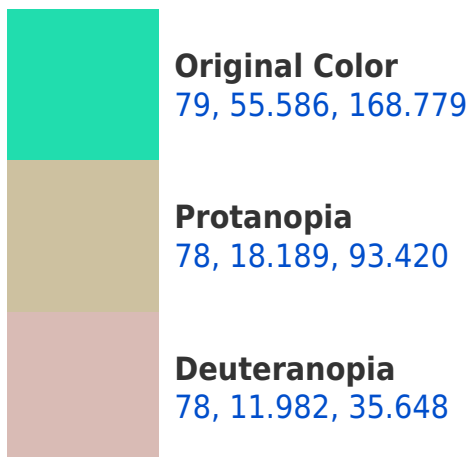


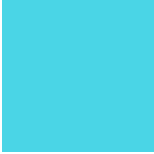
This preview shows how white text looks on a background with the CIELCh color 79, 55.519, 168.750.

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
79, 36.991, 211.410

Trichromacy



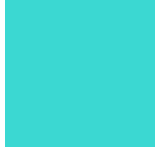
Original Color
79, 55.586, 168.779



Protanomaly
77, 30.026, 154.623



Deuteranomaly
76, 21.063, 165.396

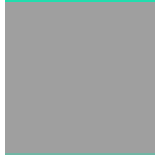


Tritanomaly
79, 41.498, 192.051

Monochromacy



Original Color
79, 55.586, 168.779



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 25.555, 175.816

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 55.519, 168.750 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(33, 221, 174)` looks like.

```
.text, #text, p{  
    color:rgb(33, 221, 174)  
}
```

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(33, 221, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 221, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 55.519, 168.750 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(33, 221, 174) }
```

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

```
.border{ border-color:rgb(33, 221, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 221, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 221, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 221, 174);  
box-shadow:4px 4px 4px 4px rgb(33, 221,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 55.519, 168.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 221, 174) }
```

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

```
.background{ background-color: rgb(33, 221,  
174) }
```

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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