

Converting Colors

CIELCh(79, 56.738, 167.148)

Have a look what the booklet for
CIELCh(79, 56.738, 167.148)
contains.

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Color

CIELCh(79, 56.873, 166.971)

Conversions

Conversions Part 1

Format	Color
Hex	22DDAA
RGB	34, 221, 170
RGB Percent	13%, 87%, 67%
CMY	0.8670, 0.1335, 0.3335
CMYK	0.85, 0.00, 0.23, 0.13
HSL	164°, 73%, 50%
HSV	164°, 85%, 87%
XYZ	33.7528, 54.9284, 46.8332
YIQ	159.2730, -95.0810, -55.5050

Conversions

Conversions Part 2

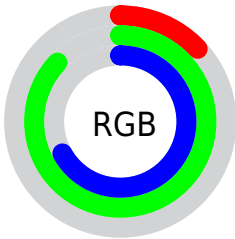
Format	Color
RYB	34, 142, 221
Decimal	2284970
CIELab	79.00, -55.41, 12.82
CIElCh	79, 56.873, 166.971
Yxy	54.9284, 0.2491, 0.4053
Android (android.graphics.Color)	4280475050 (0xFF22DDAA)
YUV	159.2730, 5.2884, -109.8644
Hunter-Lab	74.1137, -48.4066, 14.4136

Details

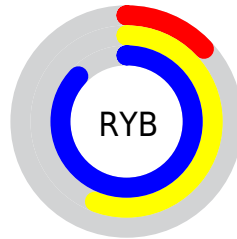
The CIELCh color **79, 56.873, 166.971** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **48, 72.918, 16.168**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 45.193, 176.410**, and **60, 49.877, 163.279** is the 20% darker color. If you saturate the color by 10%, you get **79, 60.023, 164.950**, and if you desaturate by 10%, it is **79, 52.872, 168.795**.

Distribution



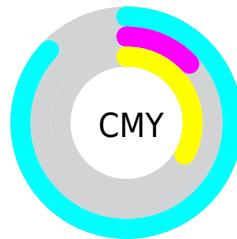
- Red (13%)
- Green (87%)
- Blue (67%)



- Red (13%)
- Yellow (56%)
- Blue (87%)



- Cyan (85%)
- Magenta (0%)
- Yellow (23%)
- Black (13%)





- Cyan (87%)
- Magenta (13%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 56.873, 166.971 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, 56.873, 166.971 by changing the saturation by 10% instead.


 79, 56.873,
166.971


 79, 56.873,
166.971


 100, 56.873,
166.971


 69, 56.873,
166.971


 99, 56.873,
166.971

 59, 56.873,
166.971

 49, 56.873,
166.971

 39, 56.873,
166.971

 29, 56.873,
166.971

 19, 56.873,
166.971

 9, 56.873, 166.971

■ 0, 56.873, 166.971

■ 79, 56.873,
166.971

■ 79, 56.873,
166.971

■ 79, 60.023,
164.950

■ 79, 52.872,
168.795

■ 79, 61.480,
163.833

■ 80, 47.964,
170.430

■ 81, 42.175,
171.895

■ 82, 35.591,
173.216

■ 83, 28.337,
174.417

■ 84, 20.554,
175.521

■ 86, 12.386,
176.554

■ 87, 3.966, 177.592

■ 89, 4.591, 358.239

Harmonies

Complementary

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



79, 56.873, 166.971



48, 72.918, 16.168

Rectangle

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



79, 56.873, 166.971



79, 56.873, 216.971



79, 56.873, 346.971



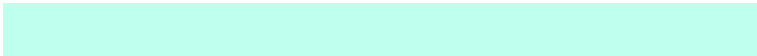
79, 56.873, 36.971

Sweetspot

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



79, 56.873, 166.970



95, 23.391, 175.463



78, 97.386, 132.738



50, 15.858, 175.080



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, 56.873, 166.970



89, 68.701, 163.647



68, 38.025, 233.740



45, 4.794, 177.080



63, 51.016, 164.209



16, 19.300, 168.419

Inverse Universe

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



48, 72.918, 16.168



54, 89.642, 24.778



52, 76.533, 43.647



43, 4.939, 358.723



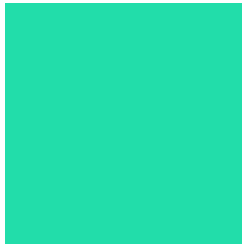
36, 66.475, 23.246



5, 23.837, 8.330

Previews

White Background



This preview shows how the CIELCh color 79, 56.873, 166.971 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, 56.873, 166.971 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

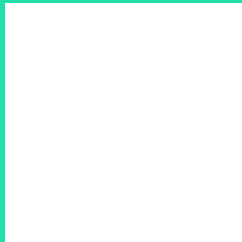
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 79, 56.873, 166.971

Background



This preview shows how black text looks on a background with the CIELCh color 79, 56.873, 166.971.

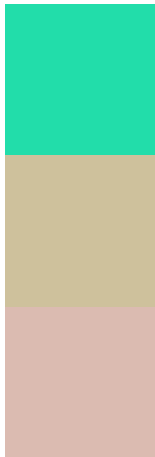


This preview shows how white text looks on a background with the CIELCh color 79, 56.873, 166.971.

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](#).

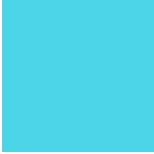
Dichromacy



Original Color
79, 56.873, 166.971

Protanopia
78, 20.350, 93.601

Deuteranopia
78, 13.545, 43.306



Tritanopia
79, 36.853, 211.474

Trichromacy



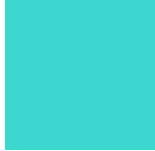
Original Color
79, 56.873, 166.971



Protanomaly
77, 31.612, 151.910



Deuteranomaly
76, 21.875, 159.919

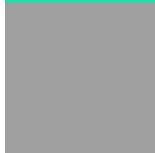


Tritanomaly
79, 41.729, 190.565

Monochromacy



Original Color
79, 56.873, 166.971



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 26.088, 173.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 56.873, 166.971 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(34, 221, 170)` looks like.

```
.text, #text, p{  
    color:rgb(34, 221, 170)  
}
```

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(34, 221, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 221, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 56.873, 166.971 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(34, 221, 170) }
```

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

```
.border{ border-color:rgb(34, 221, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 221, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 221, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 221, 170);  
box-shadow:4px 4px 4px 4px rgb(34, 221,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 56.873, 166.971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 221, 170) }
```

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

```
.background{ background-color: rgb(34, 221,  
170) }
```

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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