

Converting Colors

CIELCh(77, 111.926, 182.566)

Have a look what the booklet for
CIELCh(77, 111.926, 182.566)
contains.

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Color

CIElCh(83, 54.998, 175.455)

Conversions

Conversions Part 1

Format	Color
Hex	00E9C5
RGB	0, 233, 197
RGB Percent	0%, 91%, 77%
CMY	1.0000, 0.0871, 0.2283
CMYK	1.00, 0.00, 0.15, 0.09
HSL	171°, 100%, 46%
HSV	171°, 100%, 91%
XYZ	39.1114, 62.1629, 62.6316
YIQ	159.2290, -127.3120, -60.5920

Conversions

Conversions Part 2

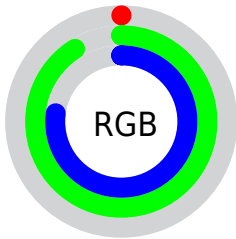
Format	Color
RYB	0, 126, 233
Decimal	59845
CIELab	83.00, -54.83, 4.36
CIELCh	83, 54.998, 175.455
Yxy	62.1629, 0.2386, 0.3793
Android (android.graphics.Color)	4278249925 (0xFF00E9C5)
YUV	159.2290, 18.6211, -139.6438
Hunter-Lab	78.8435, -49.4286, 8.0917

Details

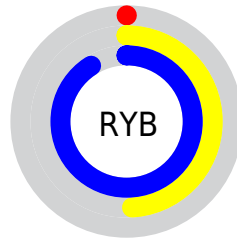
The CIELCh color **83, 54.998, 175.455** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **49, 90.127, 33.446**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.113, 196.215**, and **64, 46.296, 172.199** is the 20% darker color. If you saturate the color by 10%, you get **83, 54.965, 175.444**, and if you desaturate by 10%, it is **83, 53.223, 177.036**.

Distribution



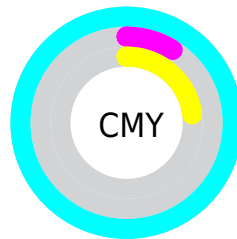
- Red (0%)
- Green (91%)
- Blue (77%)



- Red (0%)
- Yellow (49%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 54.998, 175.455 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 83, 54.998, 175.455 by changing the saturation by 10% instead.


 83, 54.998,
175.455


 83, 54.998,
175.455


 100, 54.998,
175.455


 73, 54.998,
175.455

 63, 54.998,
175.455

 53, 54.998,
175.455

 43, 54.998,
175.455

 33, 54.998,
175.455

 23, 54.998,
175.455

 13, 54.998,

175.455

■ 3, 54.998, 175.455

■ 0, 54.998, 175.455

■ 83, 54.998,
175.455

■ 83, 54.998,
175.455

■ 83, 54.965,
175.444

■ 83, 53.223,
177.036

■ 83, 50.711,
178.502

■ 84, 47.236,
179.829

■ 85, 42.766,
181.034

■ 85, 37.342,

182.141

■ 86, 31.057,
183.172

■ 88, 24.038,
184.143

■ 89, 16.429,
185.073

■ 91, 8.370, 185.989

Harmonies

Complementary

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



83, 54.998, 175.455



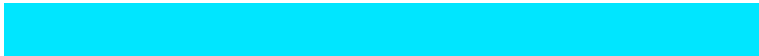
49, 90.127, 33.446

Rectangle

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



83, 54.998, 175.455



83, 54.998, 225.455



83, 54.998, 355.455



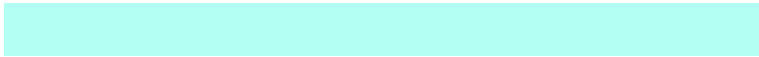
83, 54.998, 45.455

Sweetspot

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



83, 54.965, 175.444



95, 25.872, 184.129



81, 110.461, 135.133



50, 17.431, 183.723



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 54.965, 175.444



90, 58.947, 175.356



61, 48.793, 262.904



48, 4.789, 186.039



66, 45.397, 175.726



19, 18.914, 178.344

Inverse Universe

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



49, 90.127, 33.446



53, 96.833, 33.710



55, 87.132, 48.605



46, 4.998, 7.563



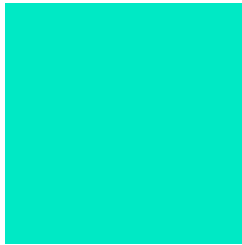
38, 73.995, 32.568



7, 28.002, 16.355

Previews

White Background



This preview shows how the CIE LCh color 83, 54.998, 175.455 looks on a white background.

Color Contrast Check

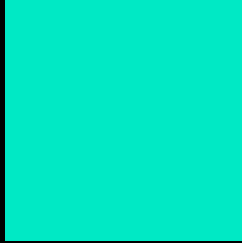
Large Text (above 18pt) WCAG AA × Fail

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 83, 54.998, 175.455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

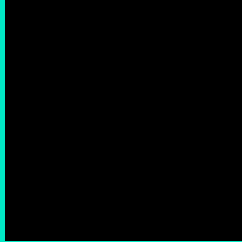
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 54.998, 175.455

Background



This preview shows how black text looks on a background with the CIELCh color 83, 54.998, 175.455.

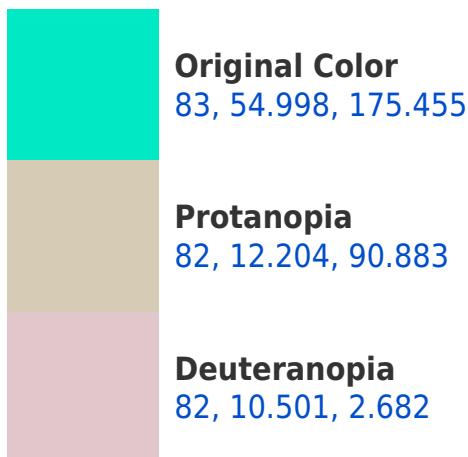


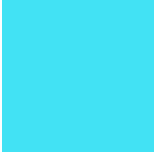
This preview shows how white text looks on a background with the CIELCh color 83, 54.998, 175.455.

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



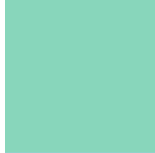


Tritanopia
83, 40.291, 210.751

Trichromacy



Original Color
83, 54.998, 175.455



Protanomaly
80, 30.570, 169.125



Deuteranomaly
80, 23.609, 184.585

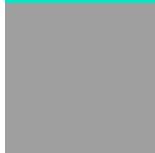


Tritanomaly
83, 44.402, 195.792

Monochromacy



Original Color
83, 54.998, 175.455



Achromatopsia
65, 0.008, 296.813



Achromatomaly
70, 28.990, 182.805

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 54.998, 175.455 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, 233, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 197)  
}
```

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, 233, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 54.998, 175.455 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, 233, 197) }
```

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

```
.border{ border-color:rgb(0, 233, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 233, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 233, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 233, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 233,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 54.998, 175.455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 233, 197) }
```

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

```
.background{ background-color: rgb(0, 233,  
197) }
```

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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