

Converting Colors

CIELCh(77, 99.847, 183.808)

Have a look what the booklet for
CIELCh(77, 99.847, 183.808)
contains.

CIELCh(82, 52.861, 178.291)	3
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Color

CIELCh(82, 52.861, 178.291)

Conversions

Conversions Part 1

Format	Color
Hex	00E5C7
RGB	0, 229, 199
RGB Percent	0%, 90%, 78%
CMY	1.0000, 0.1009, 0.2184
CMYK	1.00, 0.00, 0.13, 0.10
HSL	172°, 100%, 45%
HSV	172°, 100%, 90%
XYZ	38.3832, 60.2982, 63.8339
YIQ	157.1090, -126.8540, -57.8780

Conversions

Conversions Part 2

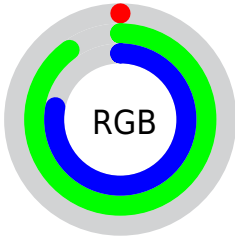
Format	Color
RYB	0, 123, 229
Decimal	58823
CIELab	82.00, -52.84, 1.58
CIELCh	82, 52.861, 178.291
Yxy	60.2982, 0.2362, 0.3710
Android (android.graphics.Color)	4278248903 (0xFF00E5C7)
YUV	157.1090, 20.6523, -137.7846
Hunter-Lab	77.6519, -47.6587, 5.6169

Details

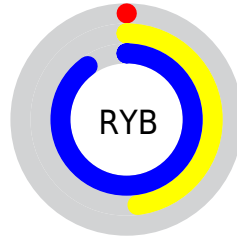
The CIELCh color **82, 52.861, 178.291** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **48, 90.463, 34.842**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.183, 196.962**, and **63, 43.799, 175.527** is the 20% darker color. If you saturate the color by 10%, you get **82, 52.751, 178.260**, and if you desaturate by 10%, it is **82, 51.235, 179.684**.

Distribution



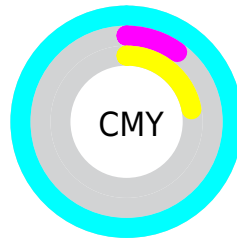
- Red (0%)
- Green (90%)
- Blue (78%)



- Red (0%)
- Yellow (48%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 52.861, 178.291 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 82, 52.861, 178.291 by changing the saturation by 10% instead.


 82, 52.861,
178.291


 82, 52.861,
178.291


 100, 52.861,
178.291


 72, 52.861,
178.291

 62, 52.861,
178.291

 52, 52.861,
178.291

 42, 52.861,
178.291

 32, 52.861,
178.291

 22, 52.861,
178.291

 12, 52.861,

178.291

■ 2, 52.861, 178.291

■ 0, 52.861, 178.291

■ 82, 52.861,
178.291

■ 82, 52.861,
178.291

■ 82, 52.751,
178.260

■ 82, 51.235,
179.684

■ 82, 48.956,
180.999

■ 83, 45.718,
182.193

■ 84, 41.489,
183.287

■ 84, 36.305,

184.301

■ 85, 30.255,
185.254

■ 86, 23.461,
186.164

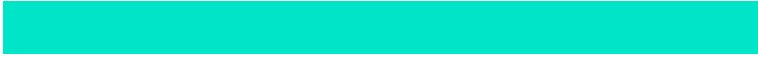
■ 88, 16.061,
187.044

■ 89, 8.196, 187.921

Harmonies

Complementary

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



82, 52.861, 178.291



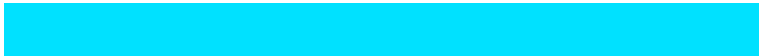
48, 90.463, 34.842

Rectangle

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



82, 52.861, 178.291



82, 52.861, 228.291



82, 52.861, 358.291



82, 52.861, 48.291

Sweetspot

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



82, 52.751, 178.260



95, 25.560, 186.148



80, 109.608, 135.407



50, 17.208, 185.767



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 52.751, 178.260



90, 57.221, 178.168



58, 51.398, 268.257



47, 4.663, 187.970



65, 43.631, 178.515



18, 17.883, 180.970

Inverse Universe

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



48, 90.463, 34.842



53, 98.354, 35.129



55, 84.522, 50.510



45, 4.879, 9.434



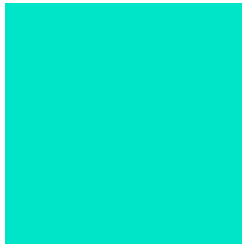
37, 74.335, 34.014



6, 26.759, 16.330

Previews

White Background



This preview shows how the CIE LCh color 82, 52.861, 178.291 looks on a white background.

Color Contrast Check

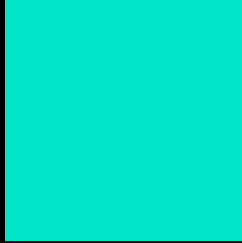
Large Text (above 18pt) WCAG AA × Fail

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 82, 52.861, 178.291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

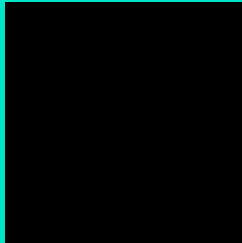
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

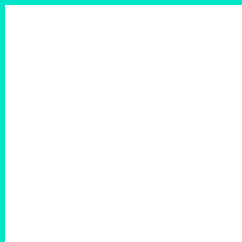
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 52.861, 178.291

Background



This preview shows how black text looks on a background with the CIELCh color 82, 52.861, 178.291.



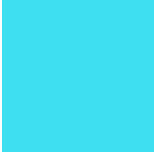
This preview shows how white text looks on a background with the CIELCh color 82, 52.861, 178.291.

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
82, 40.214, 210.797

Trichromacy



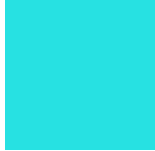
Original Color
82, 52.722, 178.226



Protanomaly
80, 29.154, 173.497



Deuteranomaly
79, 22.721, 192.330

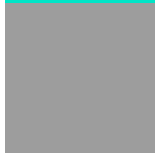


Tritanomaly
82, 43.857, 197.203

Monochromacy



Original Color
82, 52.722, 178.226



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 28.076, 184.649

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 52.861, 178.291 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, 229, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 229, 199)  
}
```

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, 229, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 229, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 52.861, 178.291 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, 229, 199) }
```

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

```
.border{ border-color:rgb(0, 229, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 229, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 229, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 229, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 229,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 52.861, 178.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 229, 199) }
```

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

```
.background{ background-color: rgb(0, 229,  
199) }
```

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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