

Converting Colors

CIELCh(82, 47.677, 189.752)

Have a look what the booklet for
CIELCh(82, 47.677, 189.752)
contains.

CIELCh(82, 47.736, 189.792)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(82, 47.736, 189.792)

Conversions

Conversions Part 1

Format	Color
Hex	00E4DA
RGB	0, 228, 218
RGB Percent	0%, 89%, 85%
CMY	1.0000, 0.1074, 0.1466
CMYK	1.00, 0.00, 0.04, 0.11
HSL	177°, 100%, 45%
HSV	177°, 100%, 89%
XYZ	40.2178, 60.2982, 75.5803
YIQ	158.6880, -132.6780, -51.4460

Conversions

Conversions Part 2

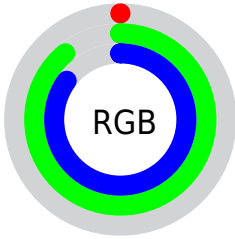
Format	Color
RYB	0, 117, 228
Decimal	58586
CIELab	82.00, -47.04, -8.12
CIELCh	82, 47.736, 189.792
Yxy	60.2982, 0.2284, 0.3424
Android (android.graphics.Color)	4278248666 (0xFF00E4DA)
YUV	158.6880, 29.2408, -139.1694
Hunter-Lab	77.6519, -43.4414, -3.3519

Details

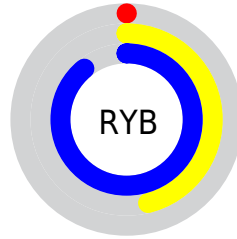
The CIELCh color **82, 47.736, 189.792** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **48, 94.216, 38.640**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.818, 196.983**, and **63, 38.972, 188.716** is the 20% darker color. If you saturate the color by 10%, you get **82, 47.699, 189.788**, and if you desaturate by 10%, it is **82, 46.829, 190.386**.

Distribution



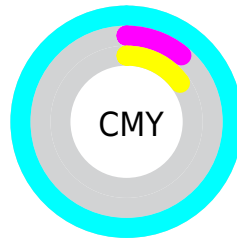
- Red (0%)
- Green (89%)
- Blue (85%)



- Red (0%)
- Yellow (46%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 47.736, 189.792 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, 47.736, 189.792 by changing the saturation by 10% instead.


 82, 47.736,
189.792


 82, 47.736,
189.792


 100, 47.736,
189.792

 72, 47.736,
189.792

 62, 47.736,
189.792

 52, 47.736,
189.792

 42, 47.736,
189.792

 32, 47.736,
189.792

 22, 47.736,
189.792

 12, 47.736,

189.792

■ 2, 47.736, 189.792

■ 0, 47.736, 189.792

■ 82, 47.736,
189.792

■ 82, 47.736,
189.792

■ 82, 47.699,
189.788

■ 82, 46.829,
190.386

■ 82, 45.193,
190.963

■ 83, 42.591,
191.527

■ 83, 38.979,
192.089

■ 84, 34.377,

192.660

■ 85, 28.857,
193.248

■ 86, 22.528,
193.858

■ 87, 15.520,
194.494

■ 89, 7.966, 195.173

Harmonies

Complementary

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



82, 47.736, 189.792



48, 94.216, 38.640

Rectangle

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



82, 47.736, 189.792



82, 47.736, 239.792



82, 47.736, 9.792



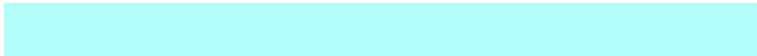
82, 47.736, 59.792

Sweetspot

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



82, 47.699, 189.788



95, 24.687, 193.846



79, 109.673, 135.856



50, 16.573, 193.585



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, 47.699, 189.788



91, 51.993, 189.748



52, 60.623, 279.406



47, 4.561, 195.212



66, 39.747, 189.888



18, 16.577, 190.859

Inverse Universe

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



48, 94.216, 38.640



53, 102.903, 38.812



58, 80.318, 56.114



45, 4.819, 16.382



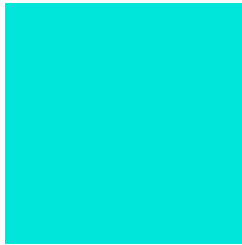
37, 78.094, 38.184



6, 26.964, 19.949

Previews

White Background



This preview shows how the CIELCh color 82, 47.736, 189.792 looks on a white background.

Color Contrast Check

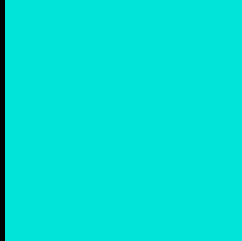
Large Text (above 18pt) WCAG AA × Fail

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, 47.736, 189.792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

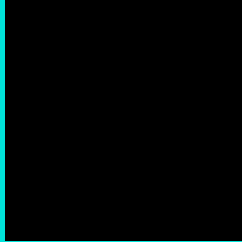
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

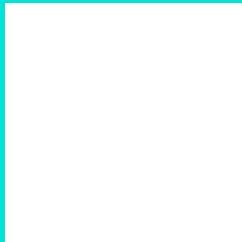
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 47.736, 189.792

Background



This preview shows how black text looks on a background with the CIELCh color 82, 47.736, 189.792.

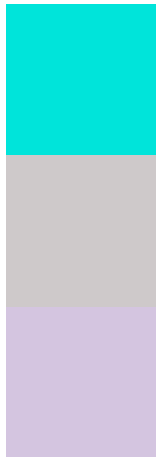


This preview shows how white text looks on a background with the CIELCh color 82, 47.736, 189.792.

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

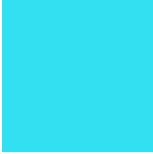
82, 47.760, 189.794

Protanopia

81, 1.914, 3.195

Deuteranopia

81, 15.364, 311.499



Tritanopia
82, 41.529, 210.268

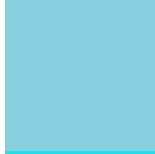
Trichromacy



Original Color
82, 47.760, 189.794



Protanomaly
80, 25.913, 193.991



Deuteranomaly
79, 23.818, 216.332

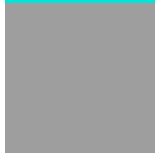


Tritanomaly
82, 43.522, 202.243

Monochromacy



Original Color
82, 47.760, 189.794



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 26.483, 193.716

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 47.736, 189.792 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, 228, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 228, 218)  
}
```

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, 228, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 228, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 47.736, 189.792 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, 228, 218) }
```

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

```
.border{ border-color:rgb(0, 228, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 228, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 228, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 228, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 228,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 47.736, 189.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 228, 218) }
```

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

```
.background{ background-color: rgb(0, 228,  
218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor