

Converting Colors

CIELCh(82, 29.052, 190.049)

Have a look what the booklet for
CIELCh(82, 29.052, 190.049)
contains.

CIELCh(82, 29.026, 189.979)	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, 29.026, 189.979)

Conversions

Conversions Part 1

Format	Color
Hex	81DBD4
RGB	129, 219, 212
RGB Percent	51%, 86%, 83%
CMY	0.4928, 0.1399, 0.1673
CMYK	0.41, 0.00, 0.03, 0.14
HSL	175°, 56%, 68%
HSV	175°, 41%, 86%
XYZ	46.4456, 60.2982, 71.6940
YIQ	191.2920, -51.3930, -21.2570

Conversions

Conversions Part 2

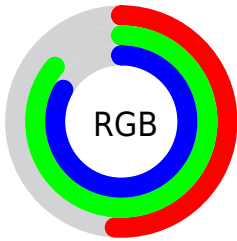
Format	Color
RYB	129, 176, 219
Decimal	8510420
CIELab	82.00, -28.59, -5.03
CIELCh	82, 29.026, 189.979
Yxy	60.2982, 0.2603, 0.3379
Android (android.graphics.Color)	4286700500 (0xFF81DBD4)
YUV	191.2920, 10.2090, -54.6301
Hunter-Lab	77.6519, -29.1254, -0.3846

Details

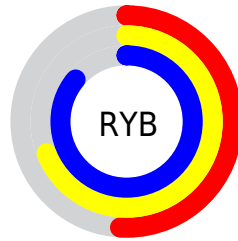
The CIELCh color **82, 29.026, 189.979** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **64, 37.190, 17.691**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 22.269, 198.045**, and **62, 29.278, 189.105** is the 20% darker color. If you saturate the color by 10%, you get **81, 34.478, 189.229**, and if you desaturate by 10%, it is **83, 22.806, 190.717**.

Distribution



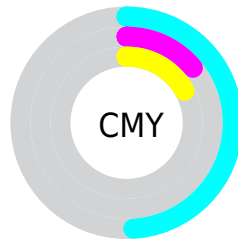
- Red (51%)
- Green (86%)
- Blue (83%)



- Red (51%)
- Yellow (69%)
- Blue (86%)



- Cyan (41%)
- Magenta (0%)
- Yellow (3%)
- Black (14%)





- Cyan (49%)
- Magenta (14%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 29.026, 189.979 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, 29.026, 189.979 by changing the saturation by 10% instead.


 82, 29.026,
189.979


 82, 29.026,
189.979


 100, 29.026,
189.979


 72, 29.026,
189.979

 62, 29.026,
189.979

 52, 29.026,
189.979

 42, 29.026,
189.979

 32, 29.026,
189.979

 22, 29.026,
189.979

 12, 29.026,

189.979

■ 2, 29.026, 189.979

■ 0, 29.026, 189.979

■ 82, 29.026,
189.979

■ 82, 29.026,
189.979

■ 81, 34.478,
189.229

■ 83, 22.806,
190.717

■ 80, 39.052,
188.463

■ 84, 15.944,
191.458

■ 80, 42.676,
187.667

■ 86, 8.572, 192.219

■ 79, 45.329,
186.824

■ 87, 0.817, 193.590

■ 89, 7.206, 13.529

■ 79, 47.057,

185.918

91, 13.191, 13.067

79, 47.998,
185.055

91, 13.296, 9.296

91, 13.459, 5.601

91, 13.678, 2.012

Harmonies

Complementary

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



82, 29.026, 189.979



64, 37.190, 17.691

Rectangle

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



82, 29.026, 189.979



82, 29.026, 239.979



82, 29.026, 9.979



82, 29.026, 59.979

Sweetspot

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



82, 29.026, 189.977



98, 10.509, 192.136



81, 56.099, 139.428



52, 6.950, 192.034



0, 0.000, 0.000



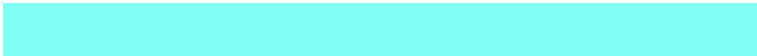
53, 0.007, 296.813

Same Dimension

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



82, 29.026, 189.977



93, 37.707, 189.351



72, 25.460, 252.504



45, 4.424, 192.347



64, 40.225, 185.220



16, 15.935, 187.031

Inverse Universe

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



64, 37.190, 17.691



69, 51.173, 19.358



72, 30.544, 61.605



43, 4.656, 13.641



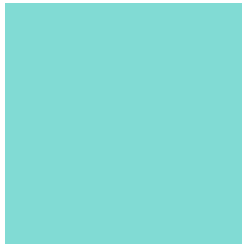
36, 75.040, 36.714



5, 23.744, 16.910

Previews

White Background



This preview shows how the CIE LCh color 82, 29.026, 189.979 looks on a white background.

Color Contrast Check

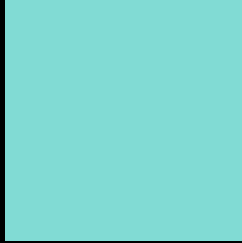
Large Text (above 18pt) WCAG AA × Fail

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, 29.026, 189.979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

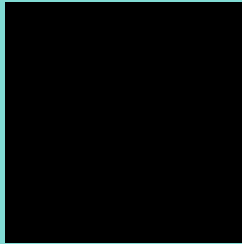
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

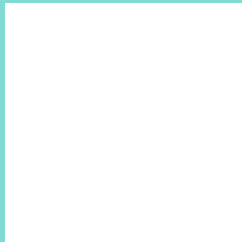
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 29.026, 189.979

Background



This preview shows how black text looks on a background with the CIELCh color 82, 29.026, 189.979.

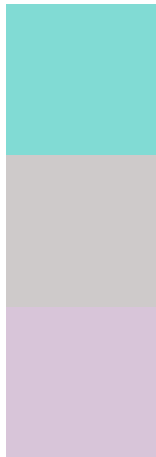


This preview shows how white text looks on a background with the CIELCh color 82, 29.026, 189.979.

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, 29.026, 189.979

Protanopia

82, 1.465, 19.137

Deuteranopia

82, 12.680, 323.553



Tritanopia
82, 26.144, 219.447

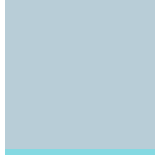
Trichromacy



Original Color
82, 29.026, 189.979



Protanomaly
81, 10.620, 192.913



Deuteranomaly
81, 8.913, 235.713

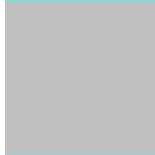


Tritanomaly
82, 26.325, 208.213

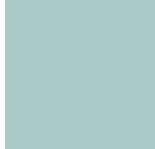
Monochromacy



Original Color
82, 29.026, 189.979



Achromatopsia
78, 0.009, 296.813



Achromatomaly
79, 11.772, 190.705

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 29.026, 189.979 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(129, 219, 212)` looks like.

```
.text, #text, p{  
    color:rgb(129, 219, 212)  
}
```

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(129, 219, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 219, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 29.026, 189.979 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(129, 219, 212) }
```

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

```
.border{ border-color:rgb(129, 219, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 219, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 219, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 219, 212);  
box-shadow:4px 4px 4px 4px rgb(129, 219,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 29.026, 189.979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 219, 212) }
```

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

```
.background{ background-color: rgb(129,  
219, 212) }
```

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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