

Converting Colors

CIELCh(82, 29.716, 178.857)

Have a look what the booklet for
CIELCh(82, 29.716, 178.857)
contains.

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Color

CIELCh(82, 29.384, 179.386)

Conversions

Conversions Part 1

Format	Color
Hex	87DBCA
RGB	135, 219, 202
RGB Percent	53%, 86%, 79%
CMY	0.4693, 0.1398, 0.2065
CMYK	0.38, 0.00, 0.08, 0.14
HSL	168°, 54%, 70%
HSV	168°, 38%, 86%
XYZ	46.1647, 60.2982, 65.2881
YIQ	191.9460, -44.6070, -23.0950

Conversions

Conversions Part 2

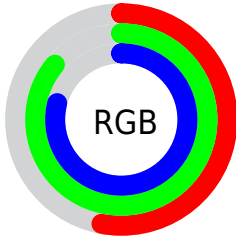
Format	Color
R _{YB}	135, 182, 219
Decimal	8903626
CIE Lab	82.00, -29.38, 0.31
CIE LCh	82, 29.384, 179.386
Yxy	60.2982, 0.2688, 0.3511
Android (android.graphics.Color)	4287093706 (0xFF87DBCA)
YUV	191.9460, 4.9566, -49.9416
Hunter-Lab	77.6519, -29.7710, 4.5065

Details

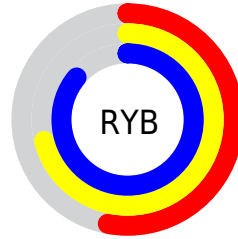
The CIELCh color **82, 29.384, 179.386** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **66, 34.555, 7.736**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 20.805, 198.137**, and **62, 29.517, 179.033** is the 20% darker color. If you saturate the color by 10%, you get **81, 35.841, 178.253**, and if you desaturate by 10%, it is **83, 22.296, 180.436**.

Distribution



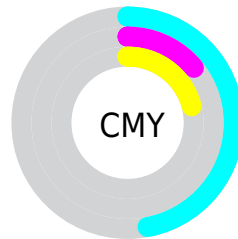
- Red (53%)
- Green (86%)
- Blue (79%)



- Red (53%)
- Yellow (71%)
- Blue (86%)



- Cyan (38%)
- Magenta (0%)
- Yellow (8%)
- Black (14%)





- Cyan (47%)
- Magenta (14%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 29.384, 179.386 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, 29.384, 179.386 by changing the saturation by 10% instead.


 82, 29.384,
179.386

 82, 29.384,
179.386


 100, 29.384,
179.386


 72, 29.384,
179.386

 62, 29.384,
179.386

 52, 29.384,
179.386

 42, 29.384,
179.386

 32, 29.384,
179.386

 22, 29.384,
179.386

 12, 29.384,

179.386

■ 2, 29.384, 179.386

■ 0, 29.384, 179.386

■ 82, 29.384,
179.386

■ 82, 29.384,
179.386

■ 81, 35.841,
178.253

■ 83, 22.296,
180.436

■ 80, 41.535,
177.023

■ 85, 14.713,
181.430

■ 80, 46.364,
175.669

■ 86, 6.772, 182.402

■ 79, 50.272,
174.169

■ 88, 1.406, 2.819

■ 90, 9.716, 4.000

■ 79, 53.268,

172.502

91, 13.875,
359.405

78, 55.478,
170.676

91, 14.785,
351.022

78, 55.825,
170.366

91, 15.983,
343.777

91, 17.409,
337.657

Harmonies

Complementary

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



82, 29.384, 179.386



66, 34.555, 7.736

Rectangle

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



82, 29.384, 179.386



82, 29.384, 229.386



82, 29.384, 359.386



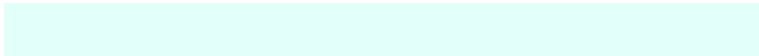
82, 29.384, 49.386

Sweetspot

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



82, 29.385, 179.384



98, 10.105, 182.127



82, 50.355, 136.229



52, 6.777, 181.995



0, 0.000, 0.000



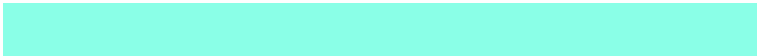
53, 0.007, 296.813

Same Dimension

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



82, 29.385, 179.384



93, 38.839, 178.476



76, 22.422, 233.416



45, 4.624, 182.290



63, 46.653, 170.688



16, 17.934, 174.338

Inverse Universe

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



66, 34.555, 7.736



71, 47.403, 9.266



71, 28.745, 47.684



43, 4.799, 3.880



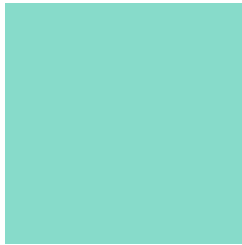
36, 69.319, 28.987



5, 23.746, 11.516

Previews

White Background



This preview shows how the CIE LCh color 82, 29.384, 179.386 looks on a white background.

Color Contrast Check

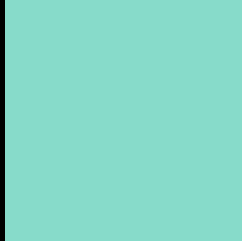
Large Text (above 18pt) WCAG AA × Fail

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, 29.384, 179.386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

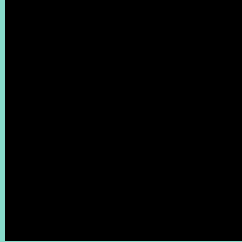
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

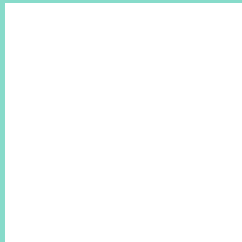
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 29.384, 179.386

Background



This preview shows how black text looks on a background with the CIELCh color 82, 29.384, 179.386.

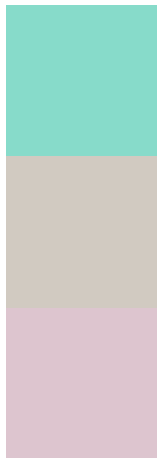


This preview shows how white text looks on a background with the CIELCh color 82, 29.384, 179.386.

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, 29.384, 179.386

Protanopia
82, 5.409, 80.849

Deuteranopia
82, 10.308, 349.340



Tritanopia
82, 23.873, 220.353

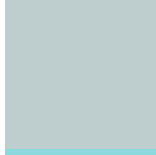
Trichromacy



Original Color
82, 29.384, 179.386



Protanomaly
81, 11.421, 164.725



Deuteranomaly
81, 5.362, 199.110

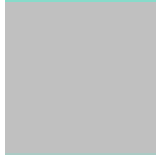


Tritanomaly
82, 24.568, 202.730

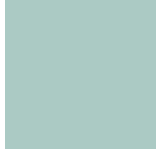
Monochromacy



Original Color
82, 29.384, 179.386



Achromatopsia
78, 0.009, 296.813



Achromatomaly
79, 11.547, 182.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 29.384, 179.386 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(135, 219, 202)` looks like.

```
.text, #text, p{  
    color:rgb(135, 219, 202)  
}
```

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(135, 219, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 219, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 29.384, 179.386 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(135, 219, 202) }
```

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

```
.border{ border-color:rgb(135, 219, 202) }
```

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

Here you see how a box with a 4 pixel rgb(135, 219, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 219, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 219, 202);  
box-shadow:4px 4px 4px 4px rgb(135, 219,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 29.384, 179.386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 219, 202) }
```

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

```
.background{ background-color: rgb(135,  
219, 202) }
```

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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