

Converting Colors

CIELCh(81, 28.829, 180.906)

Have a look what the booklet for
CIELCh(81, 28.829, 180.906)
contains.

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Color

CIELCh(81, 28.701, 181.150)

Conversions

Conversions Part 1

Format	Color
Hex	85D8C9
RGB	133, 216, 201
RGB Percent	52%, 85%, 79%
CMY	0.4775, 0.1520, 0.2108
CMYK	0.38, 0.00, 0.07, 0.15
HSL	169°, 52%, 69%
HSV	169°, 38%, 85%
XYZ	44.8997, 58.4711, 64.3252
YIQ	189.4730, -44.6530, -22.2610

Conversions

Conversions Part 2

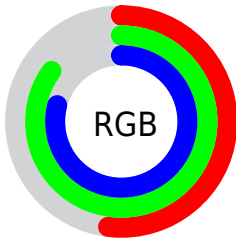
Format	Color
RYB	133, 179, 216
Decimal	8771785
CIELab	81.00, -28.70, -0.58
CIElCh	81, 28.701, 181.150
Yxy	58.4711, 0.2677, 0.3487
Android (android.graphics.Color)	4286961865 (0xFF85D8C9)
YUV	189.4730, 5.6828, -49.5268
Hunter-Lab	76.4664, -29.0041, 3.6504

Details

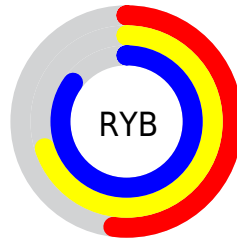
The CIELCh color **81, 28.701, 181.150** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **65, 34.146, 9.384**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 21.394, 198.100**, and **61, 28.774, 180.874** is the 20% darker color. If you saturate the color by 10%, you get **80, 34.930, 180.066**, and if you desaturate by 10%, it is **82, 21.830, 182.161**.

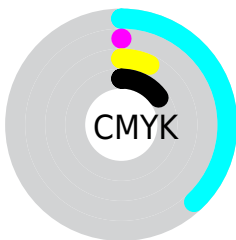
Distribution



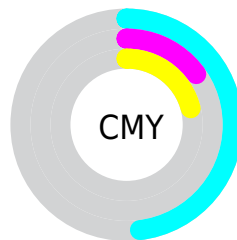
- Red (52%)
- Green (85%)
- Blue (79%)



- Red (52%)
- Yellow (70%)
- Blue (85%)



- Cyan (38%)
- Magenta (0%)
- Yellow (7%)
- Black (15%)





- Cyan (48%)
- Magenta (15%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 28.701, 181.150 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 81, 28.701, 181.150 by changing the saturation by 10% instead.


 81, 28.701,
181.150


 81, 28.701,
181.150


 100, 28.701,
181.150


 71, 28.701,
181.150

 61, 28.701,
181.150

 51, 28.701,
181.150

 41, 28.701,
181.150

 31, 28.701,
181.150

 21, 28.701,
181.150

 11, 28.701,

181.150

■ 1, 28.701, 181.150

■ 0, 28.701, 181.150

■ 81, 28.701,
181.150

■ 81, 28.701,
181.150

■ 80, 34.930,
180.066

■ 82, 21.830,
182.161

■ 79, 40.389,
178.895

■ 84, 14.451,
183.125

■ 79, 44.982,
177.614

■ 85, 6.697, 184.075

■ 78, 48.655,
176.200

■ 87, 1.310, 4.445

■ 89, 9.467, 5.641

■ 78, 51.421,

174.631

90, 14.818, 3.360

78, 53.409,
172.914

90, 15.459,
356.135

78, 53.704,
172.636

90, 16.334,
349.599

90, 17.407,
343.816

Harmonies

Complementary

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



81, 28.701, 181.150



65, 34.146, 9.384

Rectangle

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



81, 28.701, 181.150



81, 28.701, 231.150



81, 28.701, 1.150



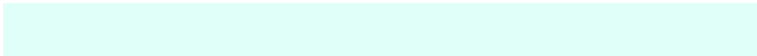
81, 28.701, 51.150

Sweetspot

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



81, 28.702, 181.148



98, 10.899, 183.717



80, 50.403, 137.129



52, 7.214, 183.593



0, 0.000, 0.000



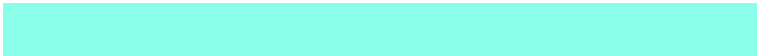
53, 0.007, 296.813

Same Dimension

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



81, 28.702, 181.148



93, 38.244, 180.284



74, 22.355, 238.201



44, 4.492, 183.975



62, 44.887, 172.945



15, 16.900, 176.571

Inverse Universe

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



65, 34.146, 9.384



71, 47.354, 10.913



70, 28.198, 51.169



42, 4.672, 5.528



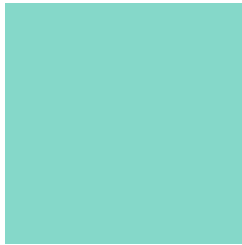
35, 69.500, 30.522



5, 22.029, 11.717

Previews

White Background



This preview shows how the CIE LCh color 81, 28.701, 181.150 looks on a white background.

Color Contrast Check

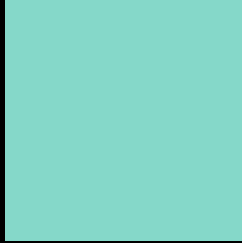
Large Text (above 18pt) WCAG AA × Fail

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 81, 28.701, 181.150 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

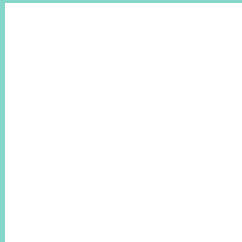
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 28.701, 181.150

Background



This preview shows how black text looks on a background with the CIELCh color 81, 28.701, 181.150.

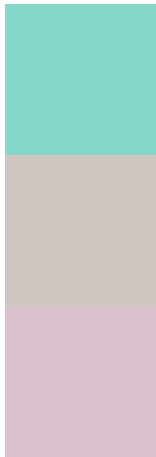


This preview shows how white text looks on a background with the CIELCh color 81, 28.701, 181.150.

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
81, 28.701, 181.150

Protanopia
81, 4.518, 74.515

Deuteranopia
81, 10.605, 343.332



Tritanopia
81, 23.881, 220.396

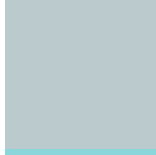
Trichromacy



Original Color
81, 28.701, 181.150



Protanomaly
80, 10.546, 168.358



Deuteranomaly
80, 5.437, 210.427

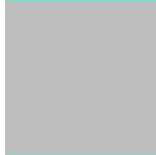


Tritanomaly
81, 24.284, 204.084

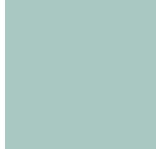
Monochromacy



Original Color
81, 28.701, 181.150



Achromatopsia
77, 0.009, 296.813



Achromatomaly
78, 11.566, 182.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 28.701, 181.150 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(133, 216, 201)` looks like.

```
.text, #text, p{  
    color:rgb(133, 216, 201)  
}
```

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(133, 216, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 216, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 28.701, 181.150 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(133, 216, 201) }
```

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

```
.border{ border-color:rgb(133, 216, 201) }
```

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

Here you see how a box with a 4 pixel rgb(133, 216, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 216, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 216, 201);  
box-shadow:4px 4px 4px 4px rgb(133, 216,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 28.701, 181.150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 216, 201) }
```

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

```
.background{ background-color: rgb(133,  
216, 201) }
```

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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