

Converting Colors

CIELCh(81, 28.365, 193.084)

Have a look what the booklet for
CIELCh(81, 28.365, 193.084)
contains.

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Color

CIELCh(81, 28.365, 193.084)

Conversions

Conversions Part 1

Format	Color
Hex	7FD8D4
RGB	127, 216, 212
RGB Percent	50%, 85%, 83%
CMY	0.5014, 0.1524, 0.1681
CMYK	0.41, 0.00, 0.02, 0.15
HSL	177°, 53%, 67%
HSV	177°, 41%, 85%
XYZ	45.2697, 58.4711, 71.2835
YIQ	188.9330, -51.7600, -20.1120

Conversions

Conversions Part 2

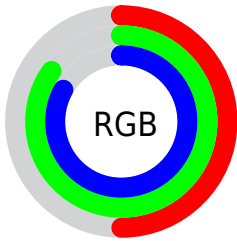
Format	Color
RYB	127, 173, 216
Decimal	8378580
CIELab	81.00, -27.63, -6.42
CIELCh	81, 28.365, 193.084
Yxy	58.4711, 0.2586, 0.3341
Android (android.graphics.Color)	4286568660 (0xFF7FD8D4)
YUV	188.9330, 11.3720, -54.3152
Hunter-Lab	76.4664, -28.1405, -1.7449

Details

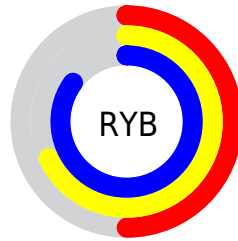
The CIELCh color **81, 28.365, 193.084** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **63, 37.077, 20.180**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 22.846, 198.009**, and **61, 28.502, 192.356** is the 20% darker color. If you saturate the color by 10%, you get **80, 33.577, 192.492**, and if you desaturate by 10%, it is **82, 22.369, 193.691**.

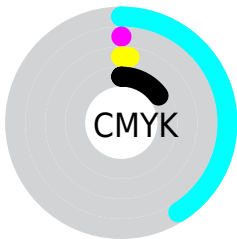
Distribution



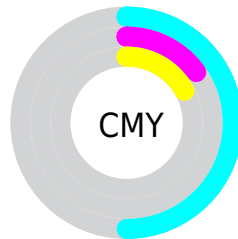
- Red (50%)
- Green (85%)
- Blue (83%)



- Red (50%)
- Yellow (68%)
- Blue (85%)



- Cyan (41%)
- Magenta (0%)
- Yellow (2%)
- Black (15%)





- Cyan (50%)
- Magenta (15%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 28.365, 193.084 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, 28.365, 193.084 by changing the saturation by 10% instead.


 81, 28.365,
193.084


 81, 28.365,
193.084


 100, 28.365,
193.084


 71, 28.365,
193.084

 61, 28.365,
193.084

 51, 28.365,
193.084

 41, 28.365,
193.084

 31, 28.365,
193.084

 21, 28.365,
193.084

 11, 28.365,

193.084

■ 1, 28.365, 193.084

■ 0, 28.365, 193.084

■ 81, 28.365,
193.084

■ 81, 28.365,
193.084

■ 80, 33.577,
192.492

■ 82, 22.369,
193.691

■ 79, 37.904,
191.917

■ 83, 15.709,
194.326

■ 79, 41.279,
191.348

■ 85, 8.516, 194.998

■ 79, 43.690,
190.777

■ 86, 0.913, 196.221

■ 88, 6.985, 16.174

■ 78, 45.186,

190.188

90, 14.387, 16.666

78, 45.923,
189.652

90, 14.404, 14.675

90, 14.439, 12.691

90, 14.492, 10.720

Harmonies

Complementary

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



81, 28.365, 193.084



63, 37.077, 20.180

Rectangle

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



81, 28.365, 193.084



81, 28.365, 243.084



81, 28.365, 13.084



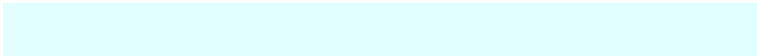
81, 28.365, 63.084

Sweetspot

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



81, 28.365, 193.082



98, 10.433, 194.933



79, 56.189, 140.186



52, 6.898, 194.841



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, 28.365, 193.082



93, 37.094, 192.592



70, 26.027, 256.745



44, 4.311, 195.125



63, 38.512, 189.755



15, 14.991, 190.928

Inverse Universe

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



63, 37.077, 20.180



69, 51.575, 21.788



72, 30.446, 65.108



42, 4.552, 16.288



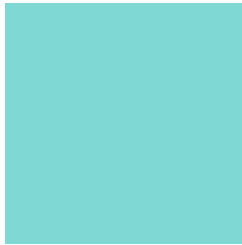
35, 75.466, 38.045



5, 21.970, 17.761

Previews

White Background



This preview shows how the CIELCh color 81, 28.365, 193.084 looks on a white background.

Color Contrast Check

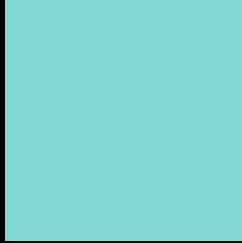
Large Text (above 18pt) WCAG AA × Fail

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, 28.365, 193.084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

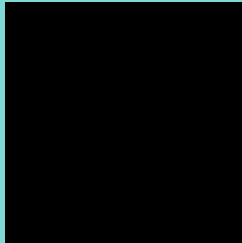
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

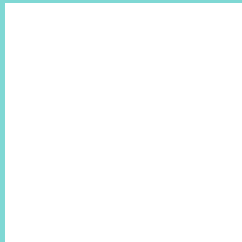
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 28.365, 193.084

Background



This preview shows how black text looks on a background with the CIELCh color 81, 28.365, 193.084.

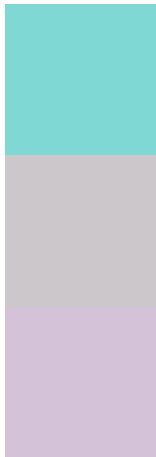


This preview shows how white text looks on a background with the CIELCh color 81, 28.365, 193.084.

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, 28.365, 193.084

Protanopia
81, 2.182, 332.316

Deuteranopia
81, 13.902, 318.735



Tritanopia
81, 26.143, 219.496

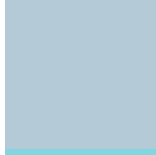
Trichromacy



Original Color
81, 28.365, 193.084



Protanomaly
80, 10.497, 201.604



Deuteranomaly
80, 9.897, 243.590

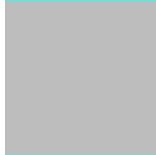


Tritanomaly
81, 26.338, 209.421

Monochromacy



Original Color
81, 28.365, 193.084



Achromatopsia
77, 0.009, 296.813



Achromatomaly
78, 11.365, 193.154

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 28.365, 193.084 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(127, 216, 212)` looks like.

```
.text, #text, p{  
    color:rgb(127, 216, 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(127, 216, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 216, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 28.365, 193.084 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(127, 216, 212) }
```

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

```
.border{ border-color:rgb(127, 216, 212) }
```

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

Here you see how a box with a 4 pixel rgb(127, 216, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 216, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 216, 212);  
box-shadow:4px 4px 4px 4px rgb(127, 216,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 28.365, 193.084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 216, 212) }
```

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

```
.background{ background-color: rgb(127,  
216, 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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