

Converting Colors

CIELCh(81, 27.650, 216.959)

Have a look what the booklet for
CIELCh(81, 27.650, 216.959)
contains.

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Color

CIELCh(81, 27.650, 216.959)

Conversions

Conversions Part 1

Format	Color
Hex	7ED6E7
RGB	126, 214, 231
RGB Percent	49%, 84%, 91%
CMY	0.5048, 0.1597, 0.0930
CMYK	0.45, 0.07, 0.00, 0.09
HSL	190°, 69%, 70%
HSV	190°, 45%, 91%
XYZ	47.2220, 58.4711, 84.6004
YIQ	189.6260, -57.9050, -13.3690

Conversions

Conversions Part 2

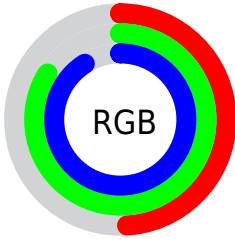
Format	Color
RYB	126, 174, 231
Decimal	8312551
CIELab	81.00, -22.09, -16.62
CIELCh	81, 27.650, 216.959
Yxy	58.4711, 0.2482, 0.3073
Android (android.graphics.Color)	4286502631 (0xFF7ED6E7)
YUV	189.6260, 20.3974, -55.8000
Hunter-Lab	76.4664, -23.5831, -12.0705

Details

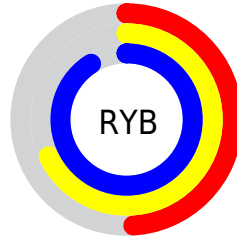
The CIELCh color **81, 27.650, 216.959** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **68, 39.073, 36.312**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 22.846, 198.009**, and **61, 27.631, 216.540** is the 20% darker color. If you saturate the color by 10%, you get **79, 31.917, 217.979**, and if you desaturate by 10%, it is **83, 22.595, 216.226**.

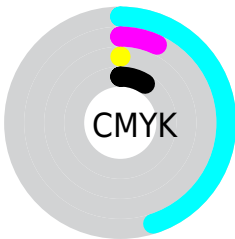
Distribution



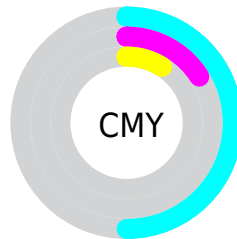
- Red (49%)
- Green (84%)
- Blue (91%)



- Red (49%)
- Yellow (68%)
- Blue (91%)



- Cyan (45%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)





- Cyan (50%)
- Magenta (16%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 27.650, 216.959 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, 27.650, 216.959 by changing the saturation by 10% instead.


 81, 27.650,
216.959


 81, 27.650,
216.959


 100, 27.650,
216.959


 71, 27.650,
216.959

 61, 27.650,
216.959

 51, 27.650,
216.959

 41, 27.650,
216.959

 31, 27.650,
216.959

 21, 27.650,
216.959

 11, 27.650,

216.959

■ 1, 27.650, 216.959

■ 0, 27.650, 216.959

■ 81, 27.650,
216.959

■ 81, 27.650,
216.959

■ 79, 31.917,
217.979

■ 83, 22.595,
216.226

■ 77, 35.314,
219.356

■ 85, 16.861,
215.731

■ 76, 37.800,
221.160

■ 88, 10.560,
215.434

■ 74, 39.397,
223.462

■ 90, 3.803, 215.363

■ 73, 40.211,

■ 93, 3.310, 34.954

226.312

95, 7.169, 42.667

72, 40.439,
227.753

96, 7.038, 61.480

97, 7.652, 79.017

98, 8.851, 92.825

Harmonies

Complementary

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



81, 27.650, 216.959



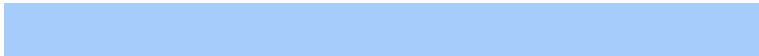
68, 39.073, 36.312

Rectangle

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



81, 27.650, 216.959



81, 27.650, 266.959



81, 27.650, 36.959



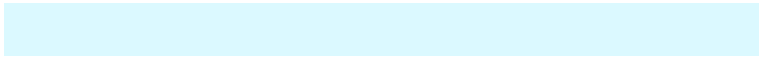
81, 27.650, 86.959

Sweetspot

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



81, 27.650, 216.957



96, 10.433, 215.408



84, 59.649, 144.996



51, 7.157, 215.452



0, 0.000, 0.000



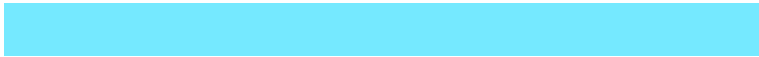
53, 0.007, 296.813

Same Dimension

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



81, 27.650, 216.957



87, 33.899, 217.849



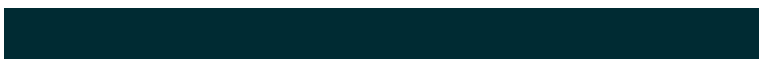
67, 38.673, 277.897



47, 3.935, 215.350



57, 33.315, 227.159



15, 14.043, 221.795

Inverse Universe

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



67, 59.042, 332.100



69, 74.483, 332.689



80, 39.322, 83.718



45, 7.427, 329.779



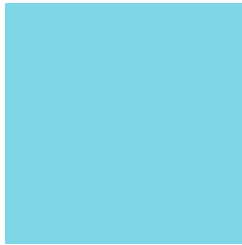
41, 77.951, 335.904



8, 33.342, 334.540

Previews

White Background



This preview shows how the CIE LCh color 81, 27.650, 216.959 looks on a white background.

Color Contrast Check

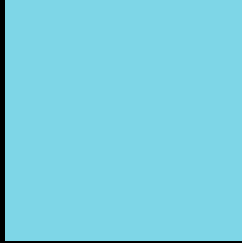
Large Text (above 18pt) WCAG AA × Fail

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, 27.650, 216.959 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, 27.650, 216.959

Background



This preview shows how black text looks on a background with the CIELCh color 81, 27.650, 216.959.

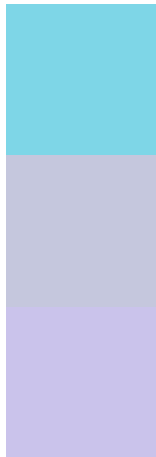


This preview shows how white text looks on a background with the CIELCh color 81, 27.650, 216.959.

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, 27.650, 216.959

Protanopia

81, 11.716, 287.810

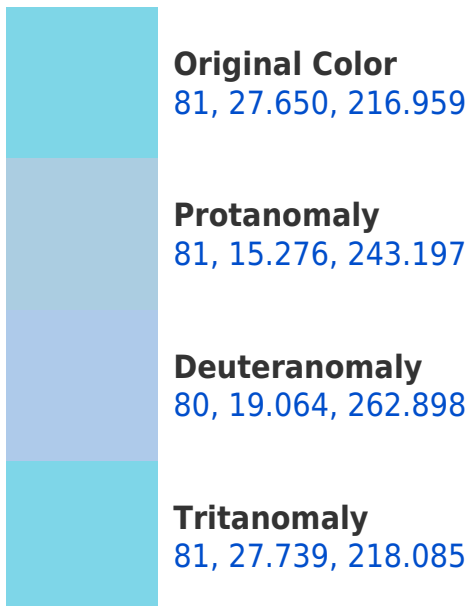
Deuteranopia

81, 21.503, 298.384



Tritanopia
81, 27.739, 218.085

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 27.650, 216.959 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(126, 214, 231)` looks like.

```
.text, #text, p{  
    color:rgb(126, 214, 231)  
}
```

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(126, 214, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 214, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 27.650, 216.959 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(126, 214, 231) }
```

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

```
.border{ border-color:rgb(126, 214, 231) }
```

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

Here you see how a box with a 4 pixel rgb(126, 214, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 214, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 214, 231);  
box-shadow:4px 4px 4px 4px rgb(126, 214,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 27.650, 216.959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 214, 231) }
```

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

```
.background{ background-color: rgb(126,  
214, 231) }
```

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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