

Converting Colors

CIELCh(81, 35.442, 173.880)

Have a look what the booklet for
CIELCh(81, 35.442, 173.880)
contains.

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Color

CIELCh(81, 35.438, 173.896)

Conversions

Conversions Part 1

Format	Color
Hex	78DBC1
RGB	120, 219, 193
RGB Percent	47%, 86%, 76%
CMY	0.5296, 0.1414, 0.2433
CMYK	0.45, 0.00, 0.12, 0.14
HSL	164°, 58%, 66%
HSV	164°, 45%, 86%
XYZ	42.6747, 58.4711, 59.4579
YIQ	186.4350, -50.6580, -29.0740

Conversions

Conversions Part 2

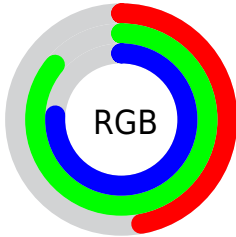
Format	Color
RYB	120, 177, 219
Decimal	7920577
CIELab	81.00, -35.24, 3.77
CIELCh	81, 35.438, 173.896
Yxy	58.4711, 0.2657, 0.3641
Android (android.graphics.Color)	4286110657 (0xFF78DBC1)
YUV	186.4350, 3.2365, -58.2635
Hunter-Lab	76.4664, -34.1982, 7.4244

Details

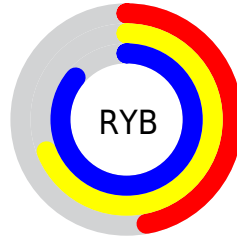
The CIELCh color **81, 35.438, 173.896** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **62, 41.468, 4.509**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 25.407, 190.813**, and **61, 35.049, 174.589** is the 20% darker color. If you saturate the color by 10%, you get **80, 41.851, 172.582**, and if you desaturate by 10%, it is **82, 28.347, 175.090**.

Distribution



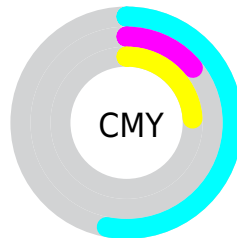
- Red (47%)
- Green (86%)
- Blue (76%)



- Red (47%)
- Yellow (69%)
- Blue (86%)



- Cyan (45%)
- Magenta (0%)
- Yellow (12%)
- Black (14%)





- Cyan (53%)
- Magenta (14%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 35.438, 173.896 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, 35.438, 173.896 by changing the saturation by 10% instead.


 81, 35.438,
173.896


 81, 35.438,
173.896


 100, 35.438,
173.896


 71, 35.438,
173.896

 61, 35.438,
173.896

 51, 35.438,
173.896

 41, 35.438,
173.896

 31, 35.438,
173.896

 21, 35.438,
173.896

 11, 35.438,

173.896

■ 1, 35.438, 173.896

■ 0, 35.438, 173.896

■ 81, 35.438,
173.896

■ 81, 35.438,
173.896

■ 80, 41.851,
172.582

■ 82, 28.347,
175.090

■ 79, 47.464,
171.127

■ 83, 20.715,
176.190

■ 79, 52.196,
169.505

■ 85, 12.685,
177.220

■ 78, 56.026,
167.696

■ 86, 4.389, 178.247

■ 78, 59.014,

■ 88, 4.057, 358.893

165.694

90, 12.557,
359.830

78, 60.264,
164.710

91, 14.955,
351.011

91, 16.550,
341.941

91, 18.499,
334.668

Harmonies

Complementary

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



81, 35.438, 173.896



62, 41.468, 4.509

Rectangle

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



81, 35.438, 173.896



81, 35.438, 223.896



81, 35.438, 353.896



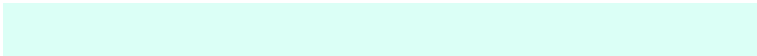
81, 35.438, 43.896

Sweetspot

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



81, 35.439, 173.895



97, 13.223, 177.331



81, 58.130, 134.404



52, 9.105, 177.112



0, 0.000, 0.000



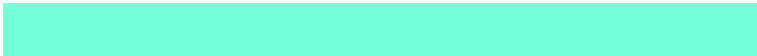
53, 0.007, 296.813

Same Dimension

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



81, 35.439, 173.895



92, 46.444, 172.685



75, 25.725, 227.183



45, 4.767, 177.801



63, 50.371, 165.069



16, 19.097, 169.215

Inverse Universe

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



62, 41.468, 4.509



67, 56.104, 6.504



67, 35.624, 42.701



43, 4.917, 359.441



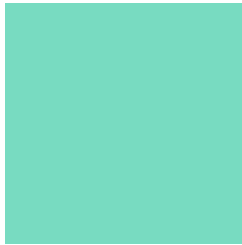
36, 66.839, 24.112



5, 23.819, 8.817

Previews

White Background



This preview shows how the CIE LCh color 81, 35.438, 173.896 looks on a white background.

Color Contrast Check

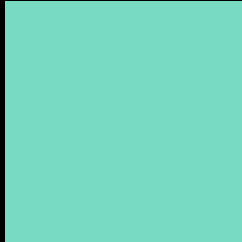
Large Text (above 18pt) WCAG AA × Fail

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, 35.438, 173.896 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

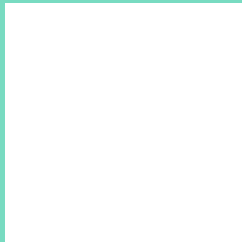
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 35.438, 173.896

Background



This preview shows how black text looks on a background with the CIELCh color 81, 35.438, 173.896.

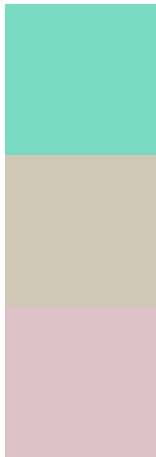


This preview shows how white text looks on a background with the CIELCh color 81, 35.438, 173.896.

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, 35.438, 173.896

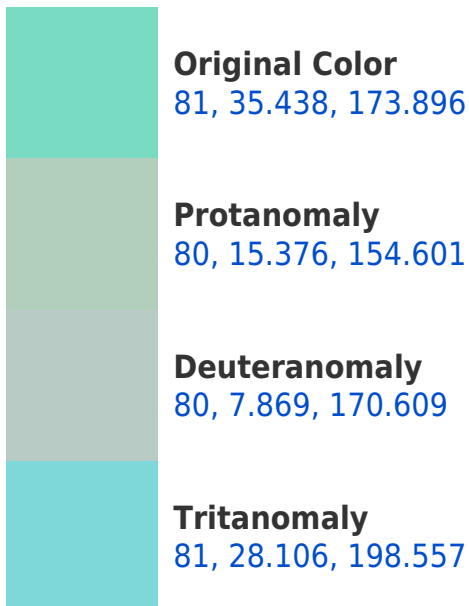
Protanopia
81, 9.625, 88.496

Deuteranopia
81, 9.934, 7.868



Tritanopia
81, 26.737, 217.697

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 35.438, 173.896 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(120, 219, 193)` looks like.

```
.text, #text, p{  
    color:rgb(120, 219, 193)  
}
```

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(120, 219, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 219, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 35.438, 173.896 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(120, 219, 193) }
```

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

```
.border{ border-color:rgb(120, 219, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 219, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 219, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 219, 193);  
box-shadow:4px 4px 4px 4px rgb(120, 219,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 35.438, 173.896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 219, 193) }
```

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

```
.background{ background-color: rgb(120,  
219, 193) }
```

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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