

Converting Colors

CIELCh(81, 38.132, 161.766)

Have a look what the booklet for
CIELCh(81, 38.132, 161.766)
contains.

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Color

CIELCh(81, 38.050, 161.929)

Conversions

Conversions Part 1

Format	Color
Hex	81DBB2
RGB	129, 219, 178
RGB Percent	51%, 86%, 70%
CMY	0.4945, 0.1416, 0.3024
CMYK	0.41, 0.00, 0.19, 0.14
HSL	153°, 55%, 68%
HSV	153°, 41%, 86%
XYZ	42.3624, 58.4711, 51.1147
YIQ	187.4160, -40.4790, -31.8310

Conversions

Conversions Part 2

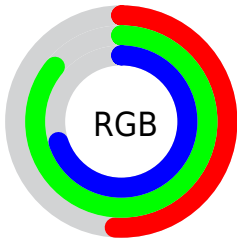
Format	Color
RYB	129, 187, 219
Decimal	8510386
CIELab	81.00, -36.17, 11.80
CIElCh	81, 38.050, 161.929
Yxy	58.4711, 0.2788, 0.3848
Android (android.graphics.Color)	4286700466 (0xFF81DBB2)
YUV	187.4160, -4.6421, -51.2308
Hunter-Lab	76.4664, -34.9271, 13.8935

Details

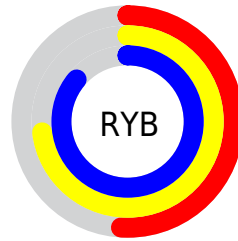
The CIELCh color **81, 38.050, 161.929** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **65, 40.462, 350.498**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 26.053, 173.254**, and **61, 37.821, 161.846** is the 20% darker color. If you saturate the color by 10%, you get **80, 46.412, 160.576**, and if you desaturate by 10%, it is **82, 29.181, 163.130**.

Distribution



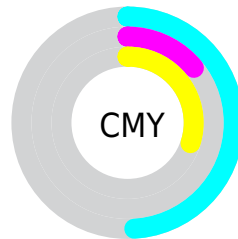
- Red (51%)
- Green (86%)
- Blue (70%)



- Red (51%)
- Yellow (73%)
- Blue (86%)



- Cyan (41%)
- Magenta (0%)
- Yellow (19%)
- Black (14%)





- Cyan (49%)
- Magenta (14%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 38.050, 161.929 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, 38.050, 161.929 by changing the saturation by 10% instead.


 81, 38.050,
161.929


 81, 38.050,
161.929


 100, 38.050,
161.929


 71, 38.050,
161.929

 61, 38.050,
161.929

 51, 38.050,
161.929

 41, 38.050,
161.929

 31, 38.050,
161.929

 21, 38.050,
161.929

 11, 38.050,

161.929

■ 1, 38.050, 161.929

■ 0, 38.050, 161.929

■ 81, 38.050,
161.929

■ 81, 38.050,
161.929

■ 80, 46.412,
160.576

■ 82, 29.181,
163.130

■ 79, 54.107,
159.047

■ 84, 19.962,
164.208

■ 78, 61.003,
157.320

■ 85, 10.543,
165.192

■ 78, 67.019,
155.379

■ 87, 1.052, 166.453

■ 77, 72.149,

■ 89, 8.406, 346.772

153.227

91, 16.211,
343.684

77, 76.106,
151.213

91, 19.655,
331.494

91, 22.610,
325.212

Harmonies

Complementary

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



81, 38.050, 161.929



65, 40.462, 350.498

Rectangle

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



81, 38.050, 161.929



81, 38.050, 211.929



81, 38.050, 341.929



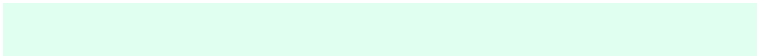
81, 38.050, 31.929

Sweetspot

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



81, 38.051, 161.928



98, 12.880, 165.097



82, 50.028, 128.312



52, 8.542, 164.971



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, 38.051, 161.928



92, 50.542, 160.817



81, 27.218, 200.926



45, 5.393, 165.352



62, 63.465, 151.609



16, 23.309, 156.367

Inverse Universe

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



65, 40.462, 350.498



70, 54.215, 351.758



64, 36.725, 25.788



43, 5.476, 346.891



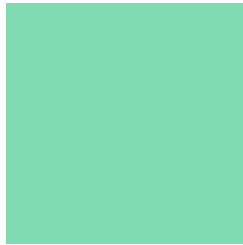
37, 63.229, 6.030



6, 24.669, 357.595

Previews

White Background



This preview shows how the CIELCh color 81, 38.050, 161.929 looks on a white background.

Color Contrast Check

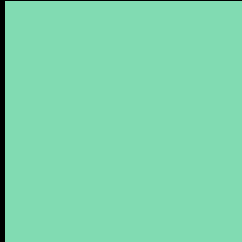
Large Text (above 18pt) WCAG AA × Fail

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, 38.050, 161.929 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

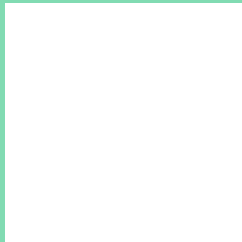
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 38.050, 161.929

Background



This preview shows how black text looks on a background with the CIELCh color 81, 38.050, 161.929.

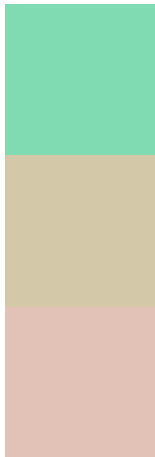


This preview shows how white text looks on a background with the CIELCh color 81, 38.050, 161.929.

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, 38.050, 161.929

Protanopia

81, 17.455, 94.376

Deuteranopia

81, 13.814, 42.697



Tritanopia
81, 23.636, 220.655

Trichromacy



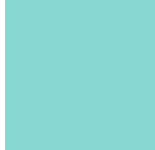
Original Color
81, 38.050, 161.929



Protanomaly
80, 21.007, 136.304



Deuteranomaly
80, 11.907, 129.455



Tritanomaly
81, 25.594, 191.597

Monochromacy



Original Color
81, 38.050, 161.929



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 14.528, 164.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 38.050, 161.929 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(129, 219, 178)` looks like.

```
.text, #text, p{  
    color:rgb(129, 219, 178)  
}
```

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(129, 219, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 219, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 38.050, 161.929 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(129, 219, 178) }
```

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

```
.border{ border-color:rgb(129, 219, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 219, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 219, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 219, 178);  
box-shadow:4px 4px 4px 4px rgb(129, 219,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 38.050, 161.929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 219, 178) }
```

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

```
.background{ background-color: rgb(129,  
219, 178) }
```

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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