

Converting Colors

CIELCh(81, 38.918, 169.696)

Have a look what the booklet for
CIELCh(81, 38.918, 169.696)
contains.

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Color

CIELCh(81, 38.864, 169.833)

Conversions

Conversions Part 1

Format	Color
Hex	73DCBB
RGB	115, 220, 187
RGB Percent	45%, 86%, 73%
CMY	0.5487, 0.1369, 0.2664
CMYK	0.48, 0.00, 0.15, 0.14
HSL	161°, 60%, 66%
HSV	161°, 48%, 86%
XYZ	41.6739, 58.4711, 56.1475
YIQ	184.8430, -51.9870, -32.5230

Conversions

Conversions Part 2

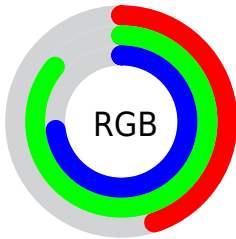
Format	Color
RYB	115, 177, 220
Decimal	7593147
CIELab	81.00, -38.25, 6.86
CIElCh	81, 38.864, 169.833
Yxy	58.4711, 0.2666, 0.3741
Android (android.graphics.Color)	4285783227 (0xFF73DCBB)
YUV	184.8430, 1.0634, -61.2523
Hunter-Lab	76.4664, -36.5344, 9.9912

Details

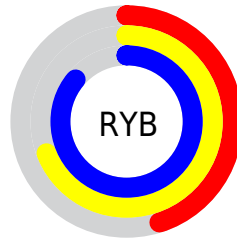
The CIELCh color **81, 38.864, 169.833** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **61, 44.492, 1.196**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 27.712, 184.733**, and **61, 38.704, 170.160** is the 20% darker color. If you saturate the color by 10%, you get **80, 45.560, 168.420**, and if you desaturate by 10%, it is **82, 31.488, 171.103**.

Distribution



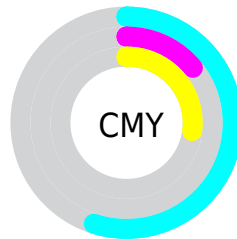
- Red (45%)
- Green (86%)
- Blue (73%)



- Red (45%)
- Yellow (69%)
- Blue (86%)



- Cyan (48%)
- Magenta (0%)
- Yellow (15%)
- Black (14%)





- Cyan (55%)
- Magenta (14%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 38.864, 169.833 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, 38.864, 169.833 by changing the saturation by 10% instead.


 81, 38.864,
169.833


 81, 38.864,
169.833


 100, 38.864,
169.833


 71, 38.864,
169.833


 61, 38.864,
169.833

 51, 38.864,
169.833

 41, 38.864,
169.833

 31, 38.864,
169.833

 21, 38.864,
169.833

 11, 38.864,

169.833

■ 1, 38.864, 169.833

■ 0, 38.864, 169.833

■ 81, 38.864,
169.833

■ 81, 38.864,
169.833

■ 80, 45.560,
168.420

■ 82, 31.488,
171.103

■ 79, 51.452,
166.843

■ 83, 23.571,
172.260

■ 79, 56.465,
165.077

■ 85, 15.261,
173.326

■ 78, 60.589,
163.107

■ 86, 6.695, 174.343

■ 78, 63.923,

■ 88, 2.006, 354.922

160.952

90, 10.742,
355.980

78, 64.640,
160.461

91, 14.882,
348.131

91, 16.993,
337.818

91, 19.548,
330.057

Harmonies

Complementary

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



81, 38.864, 169.833



61, 44.492, 1.196

Rectangle

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



81, 38.864, 169.833



81, 38.864, 219.833



81, 38.864, 349.833



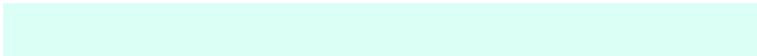
81, 38.864, 39.833

Sweetspot

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



81, 38.865, 169.832



97, 13.642, 173.693



81, 60.505, 132.821



52, 9.399, 173.471



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, 38.865, 169.832



91, 50.751, 168.456



76, 27.312, 220.203



45, 4.912, 174.166



63, 53.764, 160.847



16, 20.169, 165.276

Inverse Universe

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



61, 44.492, 1.196



66, 59.522, 3.324



65, 39.239, 38.291



43, 5.041, 355.810



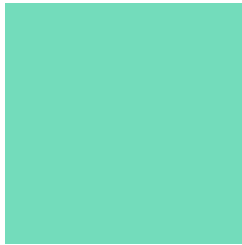
36, 65.148, 19.515



6, 23.938, 6.186

Previews

White Background



This preview shows how the CIE LCh color 81, 38.864, 169.833 looks on a white background.

Color Contrast Check

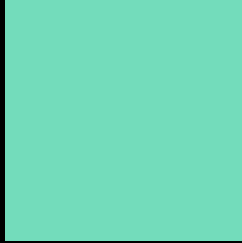
Large Text (above 18pt) WCAG AA × Fail

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, 38.864, 169.833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

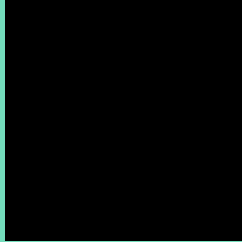
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

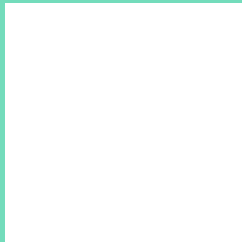
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 38.864, 169.833

Background



This preview shows how black text looks on a background with the CIELCh color 81, 38.864, 169.833.

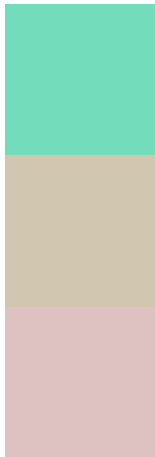


This preview shows how white text looks on a background with the CIELCh color 81, 38.864, 169.833.

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, 38.864, 169.833

Protanopia
80, 12.769, 91.509

Deuteranopia
80, 10.938, 20.224



Tritanopia
81, 27.196, 217.319

Trichromacy



Original Color
81, 38.864, 169.833



Protanomaly
80, 18.675, 148.041



Deuteranomaly
80, 9.766, 157.915

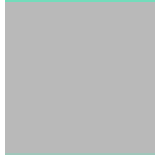


Tritanomaly
81, 29.028, 196.330

Monochromacy



Original Color
81, 38.864, 169.833



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 15.170, 173.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 38.864, 169.833 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(115, 220, 187)` looks like.

```
.text, #text, p{  
    color:rgb(115, 220, 187)  
}
```

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(115, 220, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 220, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 38.864, 169.833 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(115, 220, 187) }
```

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

```
.border{ border-color:rgb(115, 220, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 220, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 220, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 220, 187);  
box-shadow:4px 4px 4px 4px rgb(115, 220,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 38.864, 169.833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 220, 187) }
```

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

```
.background{ background-color: rgb(115,  
220, 187) }
```

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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