

Converting Colors

CIELCh(81, 37.497, 163.141)

Have a look what the booklet for
CIELCh(81, 37.497, 163.141)
contains.

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Color

CIELCh(81, 37.594, 163.399)

Conversions

Conversions Part 1

Format	Color
Hex	80DBB4
RGB	128, 219, 180
RGB Percent	50%, 86%, 71%
CMY	0.4985, 0.1416, 0.2946
CMYK	0.42, 0.00, 0.18, 0.14
HSL	154°, 56%, 68%
HSV	154°, 42%, 86%
XYZ	42.4111, 58.4711, 52.1697
YIQ	187.3450, -41.7170, -31.4210

Conversions

Conversions Part 2

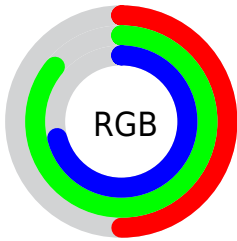
Format	Color
RYB	128, 186, 219
Decimal	8444852
CIELab	81.00, -36.03, 10.74
CIElCh	81, 37.594, 163.399
Yxy	58.4711, 0.2771, 0.3820
Android (android.graphics.Color)	4286634932 (0xFF80DBB4)
YUV	187.3450, -3.6211, -52.0456
Hunter-Lab	76.4664, -34.8135, 13.0755

Details

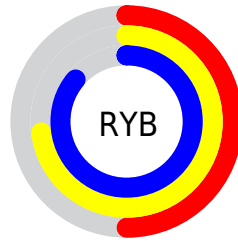
The CIELCh color $81, 37.594, 163.399$ is a light color, and the websafe version is hex $66CC99$. A complement of this color would be $64, 40.363, 352.280$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 25.833, 175.519$, and $61, 37.488, 163.535$ is the 20% darker color. If you saturate the color by 10%, you get $80, 45.687, 162.036$, and if you desaturate by 10%, it is $82, 28.975, 164.612$.

Distribution



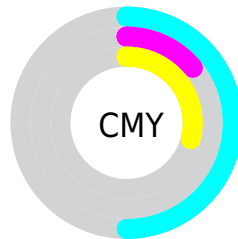
- Red (50%)
- Green (86%)
- Blue (71%)



- Red (50%)
- Yellow (73%)
- Blue (86%)



- Cyan (42%)
- Magenta (0%)
- Yellow (18%)
- Black (14%)





- Cyan (50%)
- Magenta (14%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 37.594, 163.399 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, 37.594, 163.399 by changing the saturation by 10% instead.


 81, 37.594,
163.399


 81, 37.594,
163.399


 100, 37.594,
163.399


 71, 37.594,
163.399


 61, 37.594,
163.399

 51, 37.594,
163.399

 41, 37.594,
163.399

 31, 37.594,
163.399

 21, 37.594,
163.399

 11, 37.594,

163.399

■ 1, 37.594, 163.399

■ 0, 37.594, 163.399

■ 81, 37.594,
163.399

■ 81, 37.594,
163.399

■ 80, 45.687,
162.036

■ 82, 28.975,
164.612

■ 79, 53.099,
160.501

■ 84, 19.984,
165.704

■ 78, 59.706,
158.769

■ 85, 10.769,
166.705

■ 78, 65.435,
156.824

■ 87, 1.461, 167.872

■ 78, 70.289,

■ 89, 7.837, 348.318

154.669

91, 15.765,
346.043

77, 73.844,
152.758

91, 18.850,
333.715

91, 22.582,
325.266

91, 22.613,
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, 37.594, 163.399



64, 40.363, 352.280

Rectangle

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



81, 37.594, 163.399



81, 37.594, 213.399



81, 37.594, 343.399



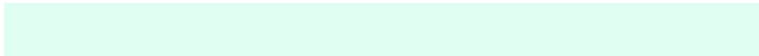
81, 37.594, 33.399

Sweetspot

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



81, 37.595, 163.398



98, 12.636, 166.653



82, 51.036, 129.431



52, 8.379, 166.525



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, 37.595, 163.398



92, 50.268, 162.200



80, 26.575, 204.640



45, 5.292, 166.912



62, 61.593, 153.154



16, 22.693, 157.887

Inverse Universe

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



64, 40.363, 352.280



69, 54.588, 353.707



65, 36.179, 28.280



43, 5.383, 348.480



37, 63.271, 8.640



6, 24.472, 359.383

Previews

White Background



This preview shows how the CIELCh color 81, 37.594, 163.399 looks on a white background.

Color Contrast Check

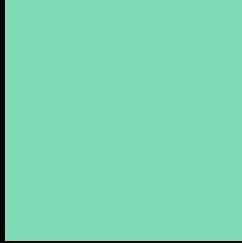
Large Text (above 18pt) WCAG AA × Fail

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, 37.594, 163.399 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, 37.594, 163.399

Background



This preview shows how black text looks on a background with the CIELCh color 81, 37.594, 163.399.

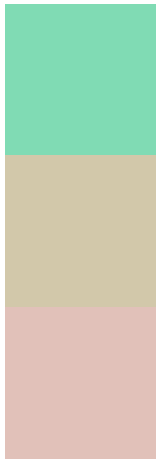


This preview shows how white text looks on a background with the CIELCh color 81, 37.594, 163.399.

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, 37.594, 163.399

Protanopia
81, 16.332, 94.943

Deuteranopia
81, 13.015, 39.168



Tritanopia
81, 23.881, 220.396

Trichromacy



Original Color
81, 37.594, 163.399



Protanomaly
80, 20.262, 138.579



Deuteranomaly
80, 11.069, 133.148

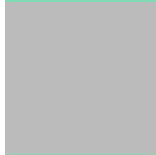


Tritanomaly
81, 25.741, 192.820

Monochromacy



Original Color
81, 37.594, 163.399



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, 37.594, 163.399 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(128, 219, 180)` looks like.

```
.text, #text, p{  
    color:rgb(128, 219, 180)  
}
```

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(128, 219, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 219, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 37.594, 163.399 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(128, 219, 180) }
```

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

```
.border{ border-color:rgb(128, 219, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 219, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 219, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 219, 180);  
box-shadow:4px 4px 4px 4px rgb(128, 219,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 37.594, 163.399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 219, 180) }
```

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

```
.background{ background-color: rgb(128,  
219, 180) }
```

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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