

Converting Colors

CIELCh(81, 65.647, 161.454)

Have a look what the booklet for
CIELCh(81, 65.647, 161.454)
contains.

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Color

CIELCh(81, 65.571, 161.424)

Conversions

Conversions Part 1

Format	Color
Hex	00E5A0
RGB	0, 229, 160
RGB Percent	0%, 90%, 63%
CMY	1.0000, 0.1026, 0.3731
CMYK	1.00, 0.00, 0.30, 0.10
HSL	162°, 100%, 45%
HSV	162°, 100%, 90%
XYZ	34.2918, 58.4711, 42.6653
YIQ	152.6630, -114.3350, -70.0070

Conversions

Conversions Part 2

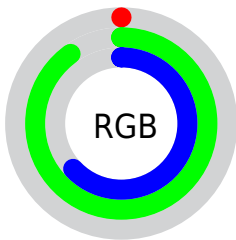
Format	Color
RYB	0, 135, 229
Decimal	58784
CIELab	81.00, -62.15, 20.89
CIELCh	81, 65.571, 161.424
Yxy	58.4711, 0.2532, 0.4317
Android (android.graphics.Color)	4278248864 (0xFF00E5A0)
YUV	152.6630, 3.6171, -133.8855
Hunter-Lab	76.4664, -53.7669, 20.4450

Details

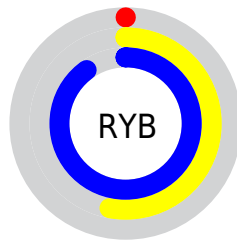
The CIELCh color **81, 65.571, 161.424** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **48, 81.117, 21.844**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 49.128, 171.363**, and **62, 57.329, 156.719** is the 20% darker color. If you saturate the color by 10%, you get **81, 65.548, 161.412**, and if you desaturate by 10%, it is **81, 62.370, 163.567**.

Distribution



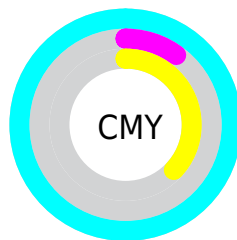
- Red (0%)
- Green (90%)
- Blue (63%)



- Red (0%)
- Yellow (53%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (10%)




- Cyan (100%)
- Magenta (10%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 65.571, 161.424 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, 65.571, 161.424 by changing the saturation by 10% instead.


 81, 65.571,
161.424


 81, 65.571,
161.424


 100, 65.571,
161.424


 71, 65.571,
161.424


 61, 65.571,
161.424

 51, 65.571,
161.424

 41, 65.571,
161.424

 31, 65.571,
161.424

 21, 65.571,
161.424

 11, 65.571,

161.424

■ 1, 65.571, 161.424

■ 0, 65.571, 161.424

■ 81, 65.571,
161.424

■ 81, 65.571,
161.424

■ 81, 65.548,
161.412

■ 81, 62.370,
163.567

■ 82, 58.461,
165.569

■ 82, 53.643,
167.367

■ 83, 47.901,
168.974

■ 84, 41.299,

170.412

■ 85, 33.951,
171.708

■ 86, 25.999,
172.885

■ 87, 17.595,
173.968

■ 89, 8.884, 174.990

Harmonies

Complementary

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



81, 65.571, 161.424



48, 81.117, 21.844

Rectangle

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



81, 65.571, 161.424



81, 65.571, 211.424



81, 65.571, 341.424



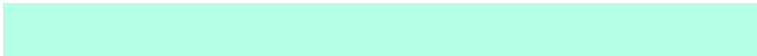
81, 65.571, 31.424

Sweetspot

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



81, 65.548, 161.412



95, 28.376, 172.865



80, 106.139, 133.016



50, 19.203, 172.378



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, 65.548, 161.412



89, 71.302, 161.269



70, 40.255, 232.476



47, 5.059, 175.045



65, 54.099, 161.798



18, 21.403, 165.686

Inverse Universe

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



48, 81.117, 21.844



54, 88.225, 22.220



50, 92.457, 42.704



45, 5.199, 356.701



37, 66.993, 20.822



7, 26.660, 8.419

Previews

White Background



This preview shows how the CIE LCh color 81, 65.571, 161.424 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, 65.571, 161.424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

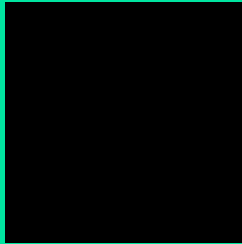
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 65.571, 161.424

Background



This preview shows how black text looks on a background with the CIELCh color 81, 65.571, 161.424.

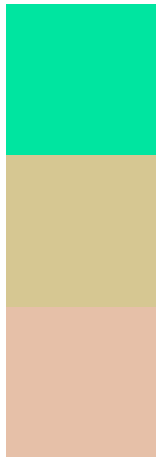


This preview shows how white text looks on a background with the CIELCh color 81, 65.571, 161.424.

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

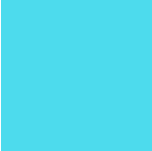
81, 65.571, 161.424

Protanopia

80, 28.604, 95.347

Deuteranopia

80, 19.871, 59.706



Tritanopia
81, 37.682, 211.924

Trichromacy



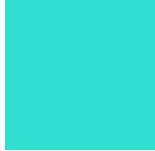
Original Color
81, 65.571, 161.424



Protanomaly
78, 41.580, 147.824



Deuteranomaly
78, 30.516, 152.853



Tritanomaly
81, 45.308, 186.777

Monochromacy



Original Color
81, 65.571, 161.424



Achromatopsia
63, 0.008, 296.813



Achromatomaly
68, 32.289, 170.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 65.571, 161.424 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(0, 229, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 229, 160)  
}
```

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(0, 229, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 229, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 65.571, 161.424 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(0, 229, 160) }
```

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

```
.border{ border-color:rgb(0, 229, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 229, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 229, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 229, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 229,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 65.571, 161.424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 229, 160) }
```

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

```
.background{ background-color: rgb(0, 229,  
160) }
```

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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