

Converting Colors

CIELCh(81, 62.753, 164.370)

Have a look what the booklet for
CIELCh(81, 62.753, 164.370)
contains.

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Color

CIELCh(81, 62.577, 164.228)

Conversions

Conversions Part 1

Format	Color
Hex	02E4A7
RGB	2, 228, 167
RGB Percent	1%, 89%, 65%
CMY	0.9928, 0.1046, 0.3440
CMYK	0.99, 0.00, 0.27, 0.10
HSL	164°, 98%, 45%
HSV	164°, 99%, 90%
XYZ	34.8537, 58.4711, 46.1488
YIQ	153.4720, -115.1150, -66.8830

Conversions

Conversions Part 2

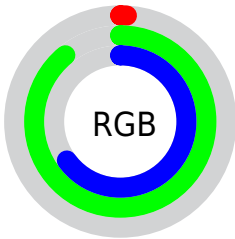
Format	Color
R_{YB}	2, 133, 228
Decimal	189607
CIE _{Lab}	81.00, -60.22, 17.01
CIE _{LCh}	81, 62.577, 164.228
Yxy	58.4711, 0.2499, 0.4192
Android (android.graphics.Color)	4278379687 (0xFF02E4A7)
YUV	153.4720, 6.6693, -132.8409
Hunter-Lab	76.4664, -52.4550, 17.7439

Details

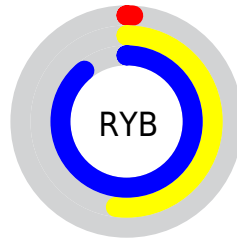
The CIELCh color **81, 62.577, 164.228** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **48, 82.013, 24.244**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 47.126, 175.132**, and **62, 54.064, 159.880** is the 20% darker color. If you saturate the color by 10%, you get **81, 62.798, 164.063**, and if you desaturate by 10%, it is **81, 59.692, 166.306**.

Distribution



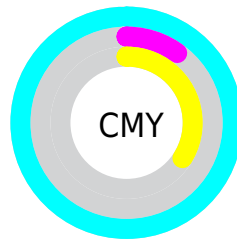
- Red (1%)
- Green (89%)
- Blue (65%)



- Red (1%)
- Yellow (52%)
- Blue (89%)



- Cyan (99%)
- Magenta (0%)
- Yellow (27%)
- Black (10%)




- Cyan (99%)
- Magenta (10%)
- Yellow (34%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 62.577, 164.228 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, 62.577, 164.228 by changing the saturation by 10% instead.


 81, 62.577,
164.228


 81, 62.577,
164.228


 100, 62.577,
164.228


 71, 62.577,
164.228


 61, 62.577,
164.228

 51, 62.577,
164.228

 41, 62.577,
164.228

 31, 62.577,
164.228

 21, 62.577,
164.228

 11, 62.577,

164.228

■ 1, 62.577, 164.228

■ 0, 62.577, 164.228

■ 81, 62.577,
164.228

■ 81, 62.577,
164.228

■ 81, 62.798,
164.063

■ 81, 59.692,
166.306

■ 82, 56.040,
168.220

■ 82, 51.469,
169.938

■ 83, 45.969,
171.476

■ 84, 39.601,

172.859

■ 85, 32.479,
174.111

■ 86, 24.742,
175.256

■ 87, 16.539,
176.318

■ 89, 8.013, 177.331

Harmonies

Complementary

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



81, 62.577, 164.228



48, 82.013, 24.244

Rectangle

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



81, 62.577, 164.228



81, 62.577, 214.228



81, 62.577, 344.228



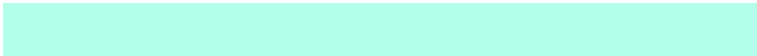
81, 62.577, 34.228

Sweetspot

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



81, 62.577, 164.227



95, 27.751, 175.147



80, 106.474, 133.563



50, 18.763, 174.669



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, 62.577, 164.227



89, 68.416, 163.922



68, 40.819, 239.491



47, 4.967, 177.305



65, 51.950, 164.433



18, 20.674, 168.164

Inverse Universe

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



48, 82.013, 24.244



54, 89.811, 25.055



51, 90.485, 43.674



45, 5.120, 358.957



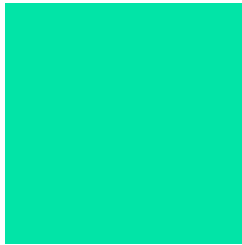
37, 68.093, 23.660



7, 26.641, 10.142

Previews

White Background



This preview shows how the CIE LCh color 81, 62.577, 164.228 looks on a white background.

Color Contrast Check

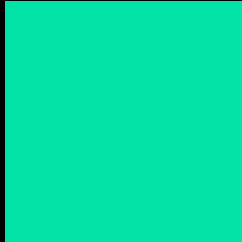
Large Text (above 18pt) WCAG AA × Fail

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, 62.577, 164.228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

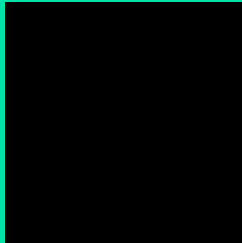
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 62.577, 164.228

Background



This preview shows how black text looks on a background with the CIELCh color 81, 62.577, 164.228.

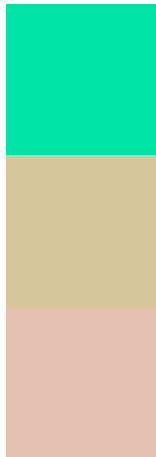


This preview shows how white text looks on a background with the CIELCh color 81, 62.577, 164.228.

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](#).

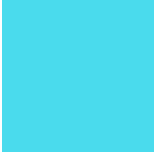
Dichromacy



Original Color
81, 62.527, 164.204

Protanopia
80, 24.425, 94.737

Deuteranopia
80, 16.480, 53.186



Tritanopia
81, 38.085, 211.739

Trichromacy



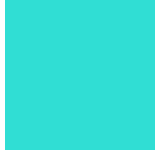
Original Color
81, 62.527, 164.204



Protanomaly
78, 38.309, 151.737



Deuteranomaly
78, 28.081, 158.441



Tritanomaly
81, 44.421, 189.433

Monochromacy



Original Color
81, 62.527, 164.204



Achromatopsia
64, 0.008, 296.813



Achromatomaly
68, 30.593, 173.531

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 62.577, 164.228 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(2, 228, 167)` looks like.

```
.text, #text, p{  
    color:rgb(2, 228, 167)  
}
```

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(2, 228, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 228, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 62.577, 164.228 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(2, 228, 167) }
```

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

```
.border{ border-color:rgb(2, 228, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 228, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 228, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 228, 167);  
box-shadow:4px 4px 4px 4px rgb(2, 228,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 62.577, 164.228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 228, 167) }
```

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

```
.background{ background-color: rgb(2, 228,  
167) }
```

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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