

Converting Colors

CIELCh(81, 64.230, 162.840)

Have a look what the booklet for
CIELCh(81, 64.230, 162.840)
contains.

CIELCh(81, 64.122, 162.843)	3
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Color

CIELCh(81, 64.122, 162.843)

Conversions

Conversions Part 1

Format	Color
Hex	00E5A4
RGB	0, 229, 164
RGB Percent	0%, 90%, 64%
CMY	1.0000, 0.1035, 0.3583
CMYK	1.00, 0.00, 0.28, 0.10
HSL	163°, 100%, 45%
HSV	163°, 100%, 90%
XYZ	34.5486, 58.4711, 44.4142
YIQ	153.1190, -115.6190, -68.7630

Conversions

Conversions Part 2

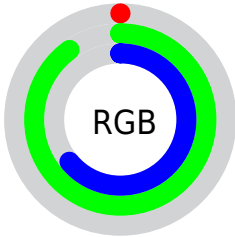
Format	Color
RYB	0, 133, 229
Decimal	58788
CIELab	81.00, -61.27, 18.92
CIElCh	81, 64.122, 162.843
Yxy	58.4711, 0.2514, 0.4254
Android (android.graphics.Color)	4278248868 (0xFF00E5A4)
YUV	153.1190, 5.3643, -134.2854
Hunter-Lab	76.4664, -53.1674, 19.0889

Details

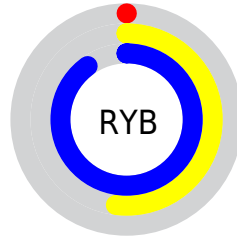
The CIELCh color **81, 64.122, 162.843** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **48, 81.796, 23.387**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 47.963, 173.480**, and **62, 55.746, 158.320** is the 20% darker color. If you saturate the color by 10%, you get **81, 64.066, 162.815**, and if you desaturate by 10%, it is **81, 61.064, 164.934**.

Distribution



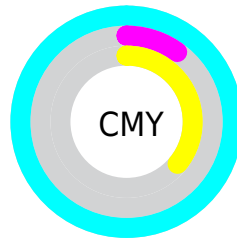
- Red (0%)
- Green (90%)
- Blue (64%)



- Red (0%)
- Yellow (52%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 64.122, 162.843 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, 64.122, 162.843 by changing the saturation by 10% instead.


 81, 64.122,
162.843


 81, 64.122,
162.843


 100, 64.122,
162.843

 71, 64.122,
162.843

 61, 64.122,
162.843

 51, 64.122,
162.843

 41, 64.122,
162.843

 31, 64.122,
162.843

 21, 64.122,
162.843

 11, 64.122,

162.843

■ 1, 64.122, 162.843

■ 0, 64.122, 162.843

■ 81, 64.122,
162.843

■ 81, 64.122,
162.843

■ 81, 64.066,
162.815

■ 81, 61.064,
164.934

■ 82, 57.332,
166.899

■ 82, 52.687,
168.664

■ 83, 47.115,
170.243

■ 84, 40.675,

171.660

■ 85, 33.478,
172.938

■ 86, 25.666,
174.104

■ 87, 17.387,
175.180

■ 89, 8.787, 176.198

Harmonies

Complementary

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



81, 64.122, 162.843



48, 81.796, 23.387

Rectangle

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



81, 64.122, 162.843



81, 64.122, 212.843



81, 64.122, 342.843



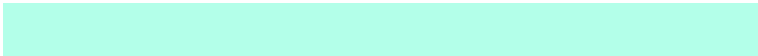
81, 64.122, 32.843

Sweetspot

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



81, 64.066, 162.815



95, 28.034, 174.083



80, 106.460, 133.323



50, 18.963, 173.601



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, 64.066, 162.815



89, 69.736, 162.674



69, 40.509, 236.164



47, 5.009, 176.254



65, 52.933, 163.194



18, 21.007, 167.002

Inverse Universe

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



48, 81.796, 23.387



54, 89.051, 23.767



50, 91.781, 43.174



45, 5.156, 357.909



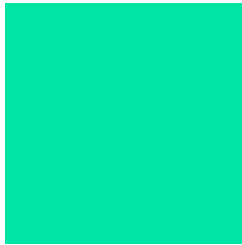
37, 67.564, 22.368



7, 26.647, 9.365

Previews

White Background



This preview shows how the CIE LCh color 81, 64.122, 162.843 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, 64.122, 162.843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

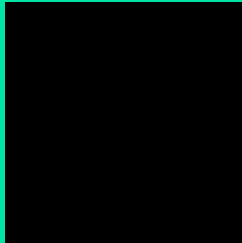
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 64.122, 162.843

Background



This preview shows how black text looks on a background with the CIELCh color 81, 64.122, 162.843.

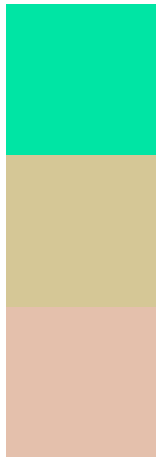


This preview shows how white text looks on a background with the CIELCh color 81, 64.122, 162.843.

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

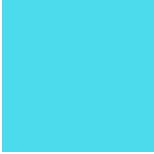
81, 64.122, 162.843

Protanopia

80, 26.471, 95.513

Deuteranopia

80, 17.805, 56.518



Tritanopia
81, 37.818, 211.861

Trichromacy



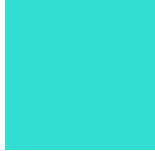
Original Color
81, 64.122, 162.843



Protanomaly
78, 39.930, 149.706



Deuteranomaly
78, 29.205, 156.110



Tritanomaly
80, 44.819, 188.079

Monochromacy



Original Color
81, 64.122, 162.843



Achromatopsia
63, 0.008, 296.813



Achromatomaly
68, 31.143, 172.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 64.122, 162.843 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 229, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 229, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 64.122, 162.843 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, 164) }
```

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

```
.border{ border-color:rgb(0, 229, 164) }
```

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, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 229, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 229, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 229,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 64.122, 162.843 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, 164) }
```

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

```
.background{ background-color: rgb(0, 229,  
164) }
```

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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