

Converting Colors

CIELCh(82, 63.945, 163.708)

Have a look what the booklet for
CIELCh(82, 63.945, 163.708)
contains.

CIELCh(82, 64.110, 163.494)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(82, 64.110, 163.494)

Conversions

Conversions Part 1

Format	Color
Hex	00E8A8
RGB	0, 232, 168
RGB Percent	0%, 91%, 66%
CMY	1.0000, 0.0917, 0.3425
CMYK	1.00, 0.00, 0.28, 0.09
HSL	163°, 100%, 45%
HSV	163°, 100%, 91%
XYZ	35.7564, 60.2982, 46.6283
YIQ	155.3360, -117.7280, -69.0880

Conversions

Conversions Part 2

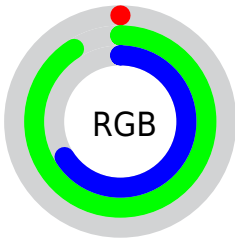
Format	Color
RYB	0, 135, 232
Decimal	59560
CIELab	82.00, -61.47, 18.21
CIELCh	82, 64.110, 163.494
Yxy	60.2982, 0.2506, 0.4226
Android (android.graphics.Color)	4278249640 (0xFF00E8A8)
YUV	155.3360, 6.2434, -136.2297
Hunter-Lab	77.6519, -53.6968, 18.7540

Details

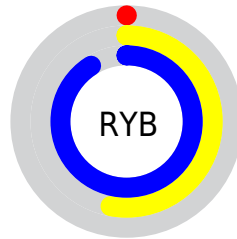
The CIELCh color **82, 64.110, 163.494** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **49, 83.002, 24.138**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 46.670, 175.623**, and **63, 55.694, 159.127** is the 20% darker color. If you saturate the color by 10%, you get **82, 64.056, 163.468**, and if you desaturate by 10%, it is **82, 61.111, 165.571**.

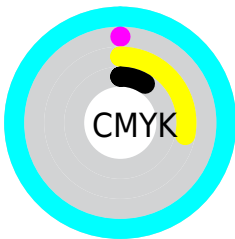
Distribution



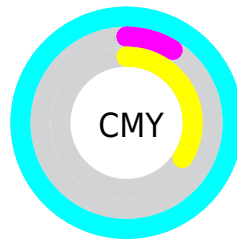
- Red (0%)
- Green (91%)
- Blue (66%)



- Red (0%)
- Yellow (53%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (9%)



- Cyan (100%)
- Magenta (9%)
- Yellow (34%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 64.110, 163.494 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 82, 64.110, 163.494 by changing the saturation by 10% instead.

 82, 64.110,
163.494

 82, 64.110,
163.494


 100, 64.110,
163.494


 72, 64.110,
163.494


 62, 64.110,
163.494

 52, 64.110,
163.494

 42, 64.110,
163.494

 32, 64.110,
163.494

 22, 64.110,
163.494

 12, 64.110,

163.494

■ 2, 64.110, 163.494

■ 0, 64.110, 163.494

■ 82, 64.110,
163.494

■ 82, 64.110,
163.494

■ 82, 64.056,
163.468

■ 82, 61.111,
165.571

■ 83, 57.426,
167.520

■ 83, 52.816,
169.271

■ 84, 47.265,
170.838

■ 85, 40.833,

172.244

■ 86, 33.629,
173.515

■ 87, 25.796,
174.676

■ 88, 17.485,
175.748

■ 90, 8.841, 176.766

Harmonies

Complementary

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



82, 64.110, 163.494



49, 83.002, 24.138

Rectangle

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



82, 64.110, 163.494



82, 64.110, 213.494



82, 64.110, 343.494



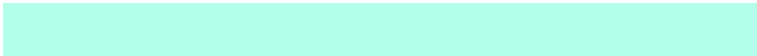
82, 64.110, 33.494

Sweetspot

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



82, 64.056, 163.468



95, 27.880, 174.658



81, 107.916, 133.621



50, 18.854, 174.178



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



82, 64.056, 163.468



89, 69.018, 163.345



69, 41.361, 239.860



47, 4.986, 176.822



65, 52.398, 163.860



18, 20.826, 167.628

Inverse Universe

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



49, 83.002, 24.138



54, 89.458, 24.470



51, 92.067, 43.668



45, 5.136, 358.476



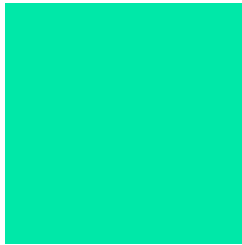
37, 67.846, 23.072



7, 26.643, 9.790

Previews

White Background



This preview shows how the CIE LCh color 82, 64.110, 163.494 looks on a white background.

Color Contrast Check

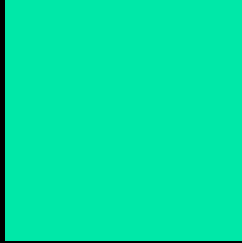
Large Text (above 18pt) WCAG AA × Fail

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 82, 64.110, 163.494 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 82, 64.110, 163.494

Background



This preview shows how black text looks on a background with the CIELCh color 82, 64.110, 163.494.

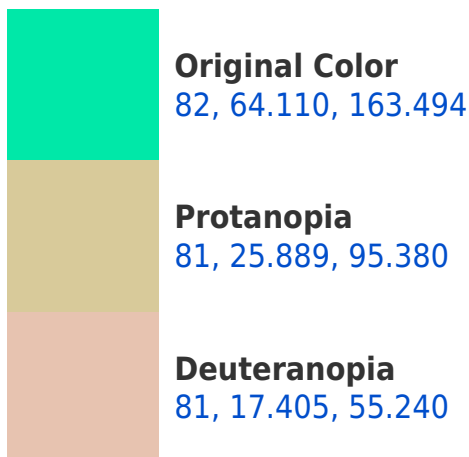


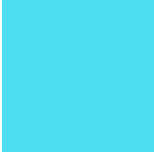
This preview shows how white text looks on a background with the CIELCh color 82, 64.110, 163.494.

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





Tritanopia
82, 38.361, 211.596

Trichromacy



Original Color
82, 64.110, 163.494



Protanomaly
79, 39.879, 150.866



Deuteranomaly
79, 29.007, 157.302



Tritanomaly
81, 45.115, 188.854

Monochromacy



Original Color
82, 64.110, 163.494



Achromatopsia
64, 0.008, 296.813



Achromatomaly
69, 31.354, 173.043

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 64.110, 163.494 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, 232, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 232, 168)  
}
```

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, 232, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 232, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 64.110, 163.494 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, 232, 168) }
```

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

```
.border{ border-color:rgb(0, 232, 168) }
```

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

Here you see how a box with a 4 pixel rgb(0, 232, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 232, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 232, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 232,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 64.110, 163.494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 232, 168) }
```

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

```
.background{ background-color: rgb(0, 232,  
168) }
```

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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