

Converting Colors

CIELCh(81, 80.710, 167.758)

Have a look what the booklet for
CIELCh(81, 80.710, 167.758)
contains.

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Color

CIELCh(83, 65.887, 162.353)

Conversions

Conversions Part 1

Format	Color
Hex	00EBA7
RGB	0, 235, 167
RGB Percent	0%, 92%, 65%
CMY	1.0000, 0.0787, 0.3453
CMYK	1.00, 0.00, 0.29, 0.08
HSL	163°, 100%, 46%
HSV	163°, 100%, 92%
XYZ	36.6530, 62.1629, 46.5959
YIQ	156.9830, -118.2320, -70.9680

Conversions

Conversions Part 2

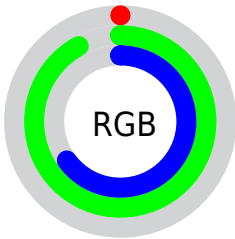
Format	Color
RYB	0, 137, 235
Decimal	60327
CIELab	83.00, -62.79, 19.97
CIELCh	83, 65.887, 162.353
Yxy	62.1629, 0.2521, 0.4275
Android (android.graphics.Color)	4278250407 (0xFF00EBA7)
YUV	156.9830, 4.9384, -137.6741
Hunter-Lab	78.8435, -54.9945, 20.1505

Details

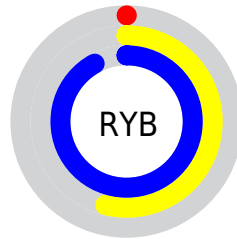
The CIELCh color **83, 65.887, 162.353** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **50, 83.312, 23.022**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 46.942, 175.058**, and **64, 57.597, 157.899** is the 20% darker color. If you saturate the color by 10%, you get **83, 65.878, 162.348**, and if you desaturate by 10%, it is **83, 62.770, 164.486**.

Distribution



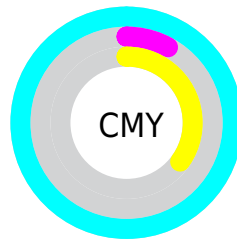
- Red (0%)
- Green (92%)
- Blue (65%)



- Red (0%)
- Yellow (54%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (8%)





- Cyan (100%)
- Magenta (8%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 65.887, 162.353 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 83, 65.887, 162.353 by changing the saturation by 10% instead.


 83, 65.887,
162.353


 83, 65.887,
162.353


 100, 65.887,
162.353


 73, 65.887,
162.353


 63, 65.887,
162.353

 53, 65.887,
162.353

 43, 65.887,
162.353

 33, 65.887,
162.353

 23, 65.887,
162.353

 13, 65.887,

162.353

■ 3, 65.887, 162.353

■ 0, 65.887, 162.353

■ 83, 65.887,
162.353

■ 83, 65.887,
162.353

■ 83, 65.878,
162.348

■ 83, 62.770,
164.486

■ 84, 58.912,
166.468

■ 84, 54.121,
168.249

■ 85, 48.383,
169.841

■ 86, 41.757,

171.268

■ 87, 34.360,
172.555

■ 88, 26.334,
173.727

■ 90, 17.835,
174.807

■ 91, 9.011, 175.829

Harmonies

Complementary

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



83, 65.887, 162.353



50, 83.312, 23.022

Rectangle

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



83, 65.887, 162.353



83, 65.887, 212.353



83, 65.887, 342.353



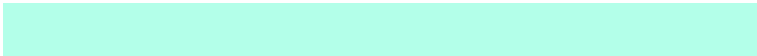
83, 65.887, 32.353

Sweetspot

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



83, 65.878, 162.348



95, 28.136, 173.712



82, 108.702, 133.343



50, 19.034, 173.227



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 65.878, 162.348



89, 70.208, 162.243



71, 41.360, 236.233



48, 5.115, 175.883



65, 53.868, 162.741



19, 21.857, 166.369

Inverse Universe

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



50, 83.312, 23.022



54, 88.794, 23.303



51, 93.739, 43.137



46, 5.263, 357.544



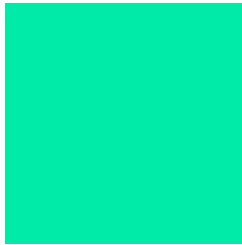
38, 68.123, 21.969



7, 27.801, 9.970

Previews

White Background



This preview shows how the CIE LCh color 83, 65.887, 162.353 looks on a white background.

Color Contrast Check

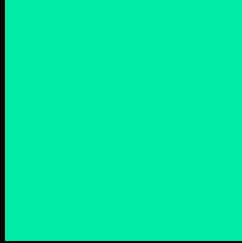
Large Text (above 18pt) WCAG AA × Fail

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 83, 65.887, 162.353 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 83, 65.887, 162.353

Background



This preview shows how black text looks on a background with the CIELCh color 83, 65.887, 162.353.

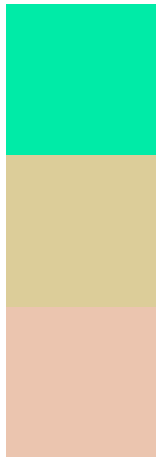


This preview shows how white text looks on a background with the CIELCh color 83, 65.887, 162.353.

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](#).

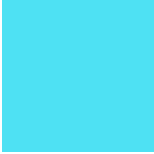
Dichromacy



Original Color
83, 65.887, 162.353

Protanopia
82, 27.944, 95.287

Deuteranopia
82, 19.038, 57.518



Tritanopia
83, 38.636, 211.456

Trichromacy



Original Color
83, 65.887, 162.353



Protanomaly
80, 41.411, 148.995



Deuteranomaly
80, 30.456, 154.426



Tritanomaly
83, 46.204, 187.012

Monochromacy



Original Color
83, 65.887, 162.353



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 31.870, 172.407

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 65.887, 162.353 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, 235, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 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(0, 235, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 65.887, 162.353 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, 235, 167) }
```

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

```
.border{ border-color:rgb(0, 235, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 235, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 235,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 65.887, 162.353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 235, 167) }
```

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

```
.background{ background-color: rgb(0, 235,  
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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