

Converting Colors

CIELCh(87, 65.943, 164.792)

Have a look what the booklet for
CIELCh(87, 65.943, 164.792)
contains.

CIELCh(87, 65.855, 164.861)	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(87, 65.855, 164.861)

Conversions

Conversions Part 1

Format	Color
Hex	01F7B7
RGB	1, 247, 183
RGB Percent	0%, 97%, 72%
CMY	0.9975, 0.0310, 0.2820
CMYK	1.00, 0.00, 0.26, 0.03
HSL	164°, 99%, 49%
HSV	164°, 100%, 97%
XYZ	41.8539, 70.0064, 56.1540
YIQ	166.1500, -126.0720, -72.0560

Conversions

Conversions Part 2

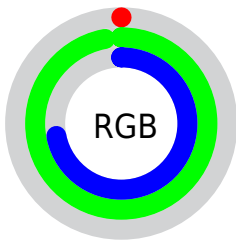
Format	Color
RYB	1, 142, 247
Decimal	128951
CIELab	87.00, -63.57, 17.20
CIELCh	87, 65.855, 164.861
Yxy	70.0064, 0.2491, 0.4167
Android (android.graphics.Color)	4278319031 (0xFF01F7B7)
YUV	166.1500, 8.3070, -144.8366
Hunter-Lab	83.6698, -57.1316, 18.7771

Details

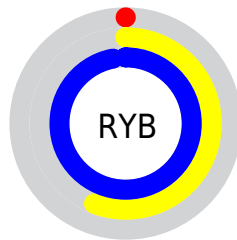
The CIELCh color **87, 65.855, 164.861** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **52, 88.005, 25.639**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 42.123, 185.374**, and **68, 57.299, 160.865** is the 20% darker color. If you saturate the color by 10%, you get **87, 65.928, 164.807**, and if you desaturate by 10%, it is **87, 62.952, 166.936**.

Distribution



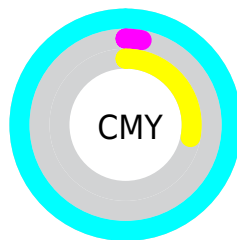
- Red (0%)
- Green (97%)
- Blue (72%)



- Red (0%)
- Yellow (56%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (3%)





- Cyan (100%)
- Magenta (3%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 65.855, 164.861 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 87, 65.855, 164.861 by changing the saturation by 10% instead.


 87, 65.855,
164.861


 87, 65.855,
164.861


 100, 65.855,
164.861


 77, 65.855,
164.861

 67, 65.855,
164.861

 57, 65.855,
164.861

 47, 65.855,
164.861

 37, 65.855,
164.861

 27, 65.855,
164.861

 17, 65.855,

164.861

■ 7, 65.855, 164.861

■ 0, 65.855, 164.861

■ 87, 65.855,
164.861

■ 87, 65.855,
164.861

■ 87, 65.928,
164.807

■ 87, 62.952,
166.936

■ 88, 59.247,
168.849

■ 88, 54.561,
170.568

■ 89, 48.873,
172.108

■ 90, 42.245,

173.492

■ 91, 34.790,
174.746

■ 92, 26.658,
175.893

■ 94, 18.007,
176.959

■ 95, 8.992, 177.974

Harmonies

Complementary

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



87, 65.855, 164.861



52, 88.005, 25.639

Rectangle

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



87, 65.855, 164.861



87, 65.855, 214.861



87, 65.855, 344.861



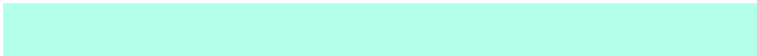
87, 65.855, 34.861

Sweetspot

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



87, 65.855, 164.860



95, 27.570, 175.859



86, 113.681, 133.916



50, 18.636, 175.385



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 65.855, 164.860



89, 67.557, 164.769



72, 44.063, 243.529



50, 5.209, 178.000



67, 52.988, 165.204



21, 22.544, 168.340

Inverse Universe

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



52, 88.005, 25.639



54, 90.336, 25.885



55, 95.897, 44.137



48, 5.376, 359.662



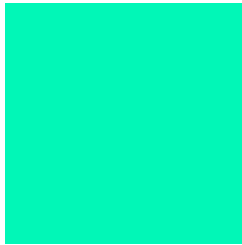
39, 70.718, 24.684



9, 29.785, 13.636

Previews

White Background



This preview shows how the CIE LCh color 87, 65.855, 164.861 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 87, 65.855, 164.861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

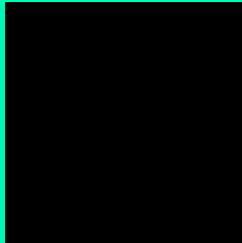
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

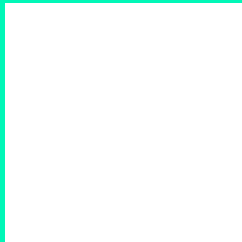
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 65.855, 164.861

Background



This preview shows how black text looks on a background with the CIELCh color 87, 65.855, 164.861.

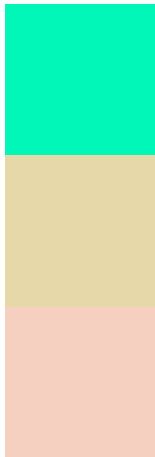


This preview shows how white text looks on a background with the CIELCh color 87, 65.855, 164.861.

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](#).

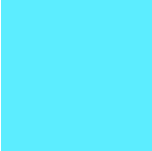
Dichromacy



Original Color
87, 65.832, 164.852

Protanopia
86, 25.572, 95.584

Deuteranopia
86, 16.552, 50.396

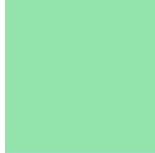


Tritanopia
87, 38.849, 211.294

Trichromacy



Original Color
87, 65.832, 164.852



Protanomaly
84, 40.362, 152.279



Deuteranomaly
83, 29.244, 160.886

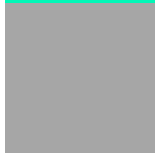


Tritanomaly
87, 46.906, 188.622

Monochromacy



Original Color
87, 65.832, 164.852



Achromatopsia
68, 0.008, 296.813



Achromatomaly
73, 32.442, 174.199

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 65.855, 164.861 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(1, 247, 183)` looks like.

```
.text, #text, p{  
    color:rgb(1, 247, 183)  
}
```

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(1, 247, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 247, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 65.855, 164.861 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(1, 247, 183) }
```

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

```
.border{ border-color:rgb(1, 247, 183) }
```

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

Here you see how a box with a 4 pixel rgb(1, 247, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 247, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 247, 183);  
box-shadow:4px 4px 4px 4px rgb(1, 247,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 65.855, 164.861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 247, 183) }
```

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

```
.background{ background-color: rgb(1, 247,  
183) }
```

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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