

Converting Colors

CIELCh(87, 67.806, 162.996)

Have a look what the booklet for
CIELCh(87, 67.806, 162.996)
contains.

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Color

CIELCh(87, 67.584, 163.108)

Conversions

Conversions Part 1

Format	Color
Hex	03F7B2
RGB	3, 247, 178
RGB Percent	1%, 97%, 70%
CMY	0.9863, 0.0299, 0.3006
CMYK	0.99, 0.00, 0.28, 0.03
HSL	163°, 97%, 49%
HSV	163°, 99%, 97%
XYZ	41.4924, 70.0064, 53.6310
YIQ	166.1780, -123.2750, -73.1870

Conversions

Conversions Part 2

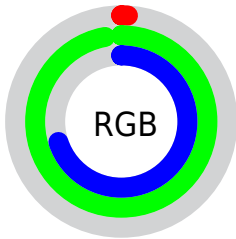
Format	Color
RYB	3, 145, 247
Decimal	260018
CIELab	87.00, -64.67, 19.64
CIELCh	87, 67.584, 163.108
Yxy	70.0064, 0.2513, 0.4239
Android (android.graphics.Color)	4278450098 (0xFF03F7B2)
YUV	166.1780, 5.8282, -143.1071
Hunter-Lab	83.6698, -57.9030, 20.5649

Details

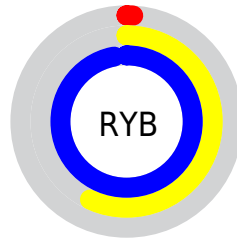
The CIELCh color **87, 67.584, 163.108** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **52, 86.362, 22.994**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 43.185, 182.053**, and **68, 59.213, 158.884** is the 20% darker color. If you saturate the color by 10%, you get **87, 68.011, 162.808**, and if you desaturate by 10%, it is **87, 64.367, 165.237**.

Distribution



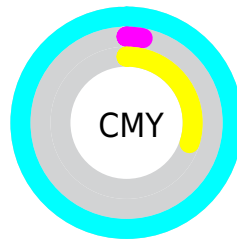
- Red (1%)
- Green (97%)
- Blue (70%)



- Red (1%)
- Yellow (57%)
- Blue (97%)



- Cyan (99%)
- Magenta (0%)
- Yellow (28%)
- Black (3%)




- Cyan (99%)
- Magenta (3%)
- Yellow (30%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 67.584, 163.108 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, 67.584, 163.108 by changing the saturation by 10% instead.


 87, 67.584,
163.108

 87, 67.584,
163.108


 100, 67.584,
163.108

 77, 67.584,
163.108

 67, 67.584,
163.108

 57, 67.584,
163.108

 47, 67.584,
163.108

 37, 67.584,
163.108

 27, 67.584,
163.108

 17, 67.584,

163.108

■ 7, 67.584, 163.108

■ 0, 67.584, 163.108

■ 87, 67.584,
163.108

■ 87, 67.584,
163.108

■ 87, 68.011,
162.808

■ 87, 64.367,
165.237

■ 88, 60.302,
167.187

■ 88, 55.254,
168.937

■ 89, 49.216,
170.501

■ 90, 42.259,

171.904

■ 91, 34.509,
173.172

■ 92, 26.118,
174.329

■ 94, 17.247,
175.400

■ 96, 8.050, 176.421

Harmonies

Complementary

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



87, 67.584, 163.108



52, 86.362, 22.994

Rectangle

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



87, 67.584, 163.108



87, 67.584, 213.108



87, 67.584, 343.108



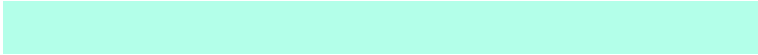
87, 67.584, 33.108

Sweetspot

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



87, 67.584, 163.107



95, 28.012, 174.166



86, 113.011, 133.571



50, 18.947, 173.684



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

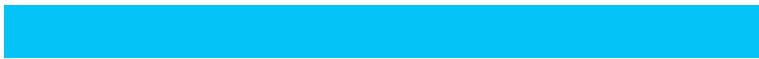
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 67.584, 163.107



89, 69.632, 162.770



73, 43.334, 239.440



51, 5.367, 176.327



68, 55.162, 163.197



22, 23.845, 166.281

Inverse Universe

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



52, 86.362, 22.994



54, 89.110, 23.869



55, 95.889, 43.590



49, 5.527, 358.000



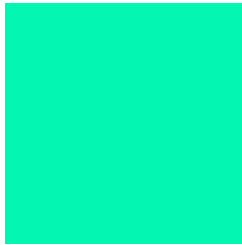
40, 70.558, 22.720



9, 30.629, 13.135

Previews

White Background



This preview shows how the CIE LCh color 87, 67.584, 163.108 looks on a white background.

Color Contrast Check

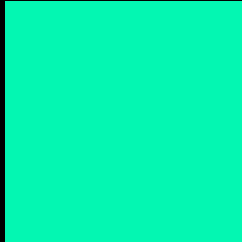
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 87, 67.584, 163.108 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, 67.584, 163.108

Background



This preview shows how black text looks on a background with the CIELCh color 87, 67.584, 163.108.

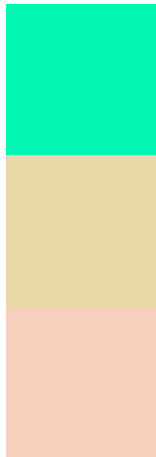


This preview shows how white text looks on a background with the CIELCh color 87, 67.584, 163.108.

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](#).

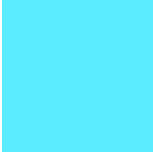
Dichromacy



Original Color
87, 67.540, 163.088

Protanopia
86, 27.679, 95.456

Deuteranopia
86, 18.783, 55.716



Tritanopia
87, 38.673, 212.201

Trichromacy



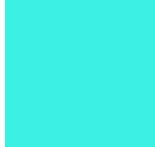
Original Color
87, 67.540, 163.088



Protanomaly
84, 41.728, 150.064



Deuteranomaly
83, 30.545, 156.423

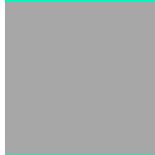


Tritanomaly
86, 46.832, 187.944

Monochromacy



Original Color
87, 67.540, 163.088



Achromatopsia
68, 0.008, 296.813



Achromatomaly
73, 32.767, 172.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 67.584, 163.108 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(3, 247, 178)` looks like.

```
.text, #text, p{  
    color:rgb(3, 247, 178)  
}
```

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(3, 247, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 247, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 67.584, 163.108 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(3, 247, 178) }
```

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

```
.border{ border-color:rgb(3, 247, 178) }
```

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

Here you see how a box with a 4 pixel rgb(3, 247, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 247, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 247, 178);  
box-shadow:4px 4px 4px 4px rgb(3, 247,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 67.584, 163.108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 247, 178) }
```

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

```
.background{ background-color: rgb(3, 247,  
178) }
```

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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