

Converting Colors

CIELCh(87, 66.318, 164.594)

Have a look what the booklet for
CIELCh(87, 66.318, 164.594)
contains.

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Color

CIELCh(87, 66.202, 164.506)

Conversions

Conversions Part 1

Format	Color
Hex	01F7B6
RGB	1, 247, 182
RGB Percent	0%, 97%, 71%
CMY	0.9960, 0.0307, 0.2857
CMYK	1.00, 0.00, 0.26, 0.03
HSL	164°, 99%, 49%
HSV	164°, 100%, 97%
XYZ	41.7792, 70.0064, 55.6449
YIQ	166.0360, -125.7510, -72.3670

Conversions

Conversions Part 2

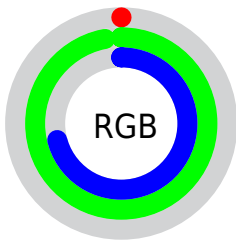
Format	Color
RYB	1, 143, 247
Decimal	128950
CIELab	87.00, -63.80, 17.69
CIELCh	87, 66.202, 164.506
Yxy	70.0064, 0.2495, 0.4181
Android (android.graphics.Color)	4278319030 (0xFF01F7B6)
YUV	166.0360, 7.8703, -144.7366
Hunter-Lab	83.6698, -57.2911, 19.1379

Details

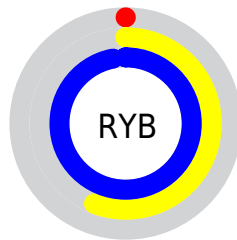
The CIELCh color **87, 66.202, 164.506** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **52, 87.711, 25.181**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 42.325, 184.697**, and **68, 57.679, 160.459** is the 20% darker color. If you saturate the color by 10%, you get **87, 66.320, 164.419**, and if you desaturate by 10%, it is **87, 63.244, 166.593**.

Distribution



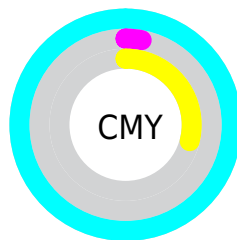
- Red (0%)
- Green (97%)
- Blue (71%)



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



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





- Cyan (100%)
- Magenta (3%)
- Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 66.202, 164.506 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, 66.202, 164.506 by changing the saturation by 10% instead.


 87, 66.202,
164.506


 87, 66.202,
164.506


 100, 66.202,
164.506


 77, 66.202,
164.506

 67, 66.202,
164.506

 57, 66.202,
164.506

 47, 66.202,
164.506

 37, 66.202,
164.506


 27, 66.202,
164.506


 17, 66.202,


164.506


 7, 66.202, 164.506


 0, 66.202, 164.506


 87, 66.202,
164.506

 87, 66.202,
164.506

 87, 66.320,
164.419

 87, 63.244,
166.593

 88, 59.476,
168.515

 88, 54.728,
170.242

 89, 48.980,
171.789

 90, 42.295,

173.178

■ 91, 34.789,
174.435

■ 92, 26.611,
175.586

■ 94, 17.922,
176.653

■ 95, 8.874, 177.670

Harmonies

Complementary

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



87, 66.202, 164.506



52, 87.711, 25.181

Rectangle

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



87, 66.202, 164.506



87, 66.202, 214.506



87, 66.202, 344.506



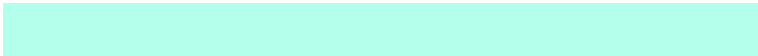
87, 66.202, 34.506

Sweetspot

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



87, 66.202, 164.505



95, 27.652, 175.534



86, 113.651, 133.907



50, 18.693, 175.058



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, 66.202, 164.505



89, 67.946, 164.381



72, 44.049, 243.461



50, 5.222, 177.680



67, 53.289, 164.820



21, 22.656, 167.977

Inverse Universe

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



52, 87.711, 25.181



54, 90.095, 25.509



55, 95.805, 44.140



48, 5.387, 359.344



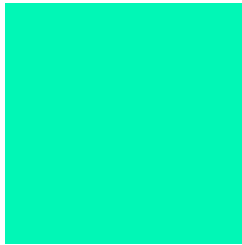
39, 70.542, 24.306



9, 29.772, 13.385

Previews

White Background



This preview shows how the CIE LCh color 87, 66.202, 164.506 looks on a white background.

Color Contrast Check

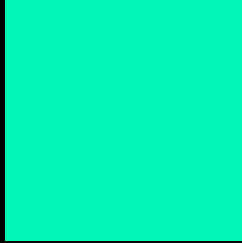
Large Text (above 18pt) WCAG AA × Fail

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, 66.202, 164.506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

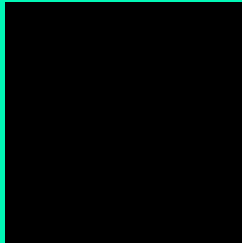
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 66.202, 164.506

Background



This preview shows how black text looks on a background with the CIELCh color 87, 66.202, 164.506.

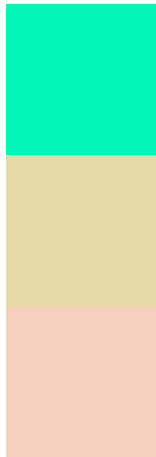


This preview shows how white text looks on a background with the CIELCh color 87, 66.202, 164.506.

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, 66.180, 164.496

Protanopia

86, 26.077, 95.767

Deuteranopia

86, 17.186, 51.176



Tritanopia
87, 38.673, 212.201

Trichromacy



Original Color
87, 66.180, 164.496



Protanomaly
84, 40.362, 152.279



Deuteranomaly
83, 29.339, 159.753

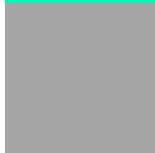


Tritanomaly
86, 46.546, 189.228

Monochromacy



Original Color
87, 66.180, 164.496



Achromatopsia
68, 0.008, 296.813



Achromatomaly
73, 32.958, 173.544

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 66.202, 164.506 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(1, 247, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 247, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 66.202, 164.506 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, 182) }
```

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

```
.border{ border-color:rgb(1, 247, 182) }
```

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, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 247, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 247, 182);  
box-shadow:4px 4px 4px 4px rgb(1, 247,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 66.202, 164.506 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, 182) }
```

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

```
.background{ background-color: rgb(1, 247,  
182) }
```

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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