

Converting Colors

CIELCh(82, 103.881, 181.105)

Have a look what the booklet for
CIELCh(82, 103.881, 181.105)
contains.

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Color

CIELCh(87, 58.224, 174.034)

Conversions

Conversions Part 1

Format	Color
Hex	00F6CD
RGB	0, 246, 205
RGB Percent	0%, 96%, 80%
CMY	1.0000, 0.0370, 0.1977
CMYK	1.00, 0.00, 0.17, 0.04
HSL	170°, 100%, 48%
HSV	170°, 100%, 96%
XYZ	43.7504, 70.0064, 68.6949
YIQ	167.7720, -133.4550, -64.9030

Conversions

Conversions Part 2

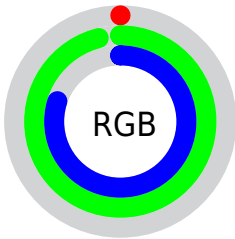
Format	Color
RYB	0, 134, 246
Decimal	63181
CIELab	87.00, -57.91, 6.05
CIELCh	87, 58.224, 174.034
Yxy	70.0064, 0.2398, 0.3837
Android (android.graphics.Color)	4278253261 (0xFF00F6CD)
YUV	167.7720, 18.3534, -147.1360
Hunter-Lab	83.6698, -53.0857, 9.8904

Details

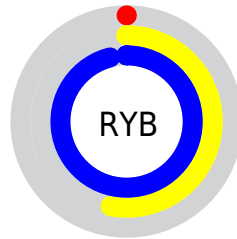
The CIELCh color **87, 58.224, 174.034** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **51, 93.227, 32.814**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.445, 197.005**, and **68, 49.255, 171.145** is the 20% darker color. If you saturate the color by 10%, you get **87, 58.159, 174.012**, and if you desaturate by 10%, it is **87, 56.248, 175.691**.

Distribution



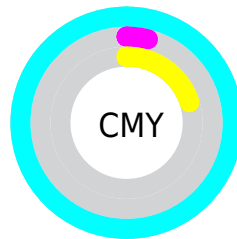
- Red (0%)
- Green (96%)
- Blue (80%)



- Red (0%)
- Yellow (53%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 58.224, 174.034 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, 58.224, 174.034 by changing the saturation by 10% instead.


 87, 58.224,
174.034

 87, 58.224,
174.034

 100, 58.224,
174.034

 77, 58.224,
174.034

 67, 58.224,
174.034

 57, 58.224,
174.034

 47, 58.224,
174.034

 37, 58.224,
174.034

 27, 58.224,
174.034

 17, 58.224,

174.034

■ 7, 58.224, 174.034

■ 0, 58.224, 174.034

■ 87, 58.224,
174.034

■ 87, 58.224,
174.034

■ 87, 58.159,
174.012

■ 87, 56.248,
175.691

■ 88, 53.532,
177.235

■ 88, 49.813,
178.628

■ 89, 45.057,
179.891

■ 90, 39.308,

181.046

■ 91, 32.665,
182.115

■ 92, 25.263,
183.118

■ 93, 17.252,
184.073

■ 95, 8.783, 185.009

Harmonies

Complementary

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



87, 58.224, 174.034



51, 93.227, 32.814

Rectangle

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



87, 58.224, 174.034



87, 58.224, 224.034



87, 58.224, 354.034



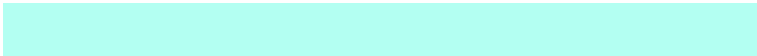
87, 58.224, 44.034

Sweetspot

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



87, 58.159, 174.012



95, 26.043, 183.112



85, 114.800, 134.994



50, 17.554, 182.695



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, 58.159, 174.012



90, 59.872, 173.975



65, 49.381, 260.159



50, 4.983, 185.058



68, 47.073, 174.327



21, 20.367, 176.811

Inverse Universe

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



51, 93.227, 32.814



53, 96.040, 32.924



57, 91.661, 47.646



48, 5.194, 6.615



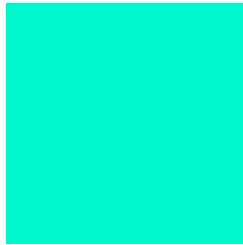
39, 75.008, 31.859



8, 30.130, 18.177

Previews

White Background



This preview shows how the CIE LCh color 87, 58.224, 174.034 looks on a white background.

Color Contrast Check

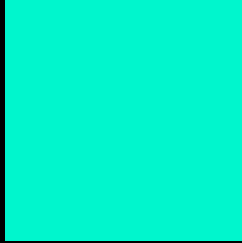
Large Text (above 18pt) WCAG AA × Fail

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, 58.224, 174.034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

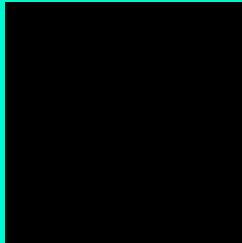
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 58.224, 174.034

Background



This preview shows how black text looks on a background with the CIELCh color 87, 58.224, 174.034.

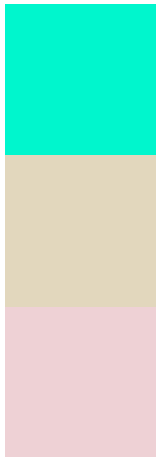


This preview shows how white text looks on a background with the CIELCh color 87, 58.224, 174.034.

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, 58.224, 174.034

Protanopia
86, 14.195, 91.861

Deuteranopia
86, 10.890, 9.154

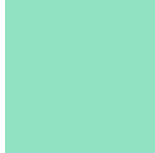


Tritanopia
87, 39.145, 211.168

Trichromacy



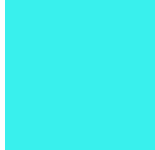
Original Color
87, 58.224, 174.034



Protanomaly
84, 32.617, 167.087



Deuteranomaly
84, 24.722, 182.765



Tritanomaly
87, 45.384, 194.512

Monochromacy



Original Color
87, 58.224, 174.034



Achromatopsia
68, 0.008, 296.813



Achromatomaly
73, 30.628, 181.576

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 58.224, 174.034 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, 246, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 246, 205)  
}
```

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, 246, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 246, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 58.224, 174.034 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, 246, 205) }
```

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

```
.border{ border-color:rgb(0, 246, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 246, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 246, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 246, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 246,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 58.224, 174.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 246, 205) }
```

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

```
.background{ background-color: rgb(0, 246,  
205) }
```

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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