

Converting Colors

CIELCh(88, 59.684, 172.869)

Have a look what the booklet for
CIELCh(88, 59.684, 172.869)
contains.

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Color

CIELCh(88, 59.529, 172.922)

Conversions

Conversions Part 1

Format	Color
Hex	00F9CD
RGB	0, 249, 205
RGB Percent	0%, 98%, 80%
CMY	1.0000, 0.0240, 0.1966
CMYK	1.00, 0.00, 0.18, 0.02
HSL	169°, 100%, 49%
HSV	169°, 100%, 98%
XYZ	44.8279, 72.0653, 69.2257
YIQ	169.5330, -134.2800, -66.4720

Conversions

Conversions Part 2

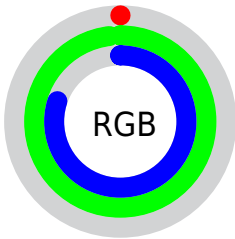
Format	Color
RYB	0, 137, 249
Decimal	63949
CIELab	88.00, -59.08, 7.34
CIELCh	88, 59.529, 172.922
Yxy	72.0653, 0.2409, 0.3872
Android (android.graphics.Color)	4278254029 (0xFF00F9CD)
YUV	169.5330, 17.4852, -148.6804
Hunter-Lab	84.8913, -54.3005, 11.0751

Details

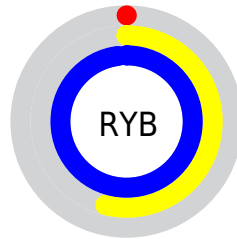
The CIELCh color **88, 59.529, 172.922** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **52, 93.589, 32.190**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.257, 197.016**, and **69, 50.664, 169.854** is the 20% darker color. If you saturate the color by 10%, you get **88, 59.511, 172.915**, and if you desaturate by 10%, it is **88, 57.486, 174.653**.

Distribution



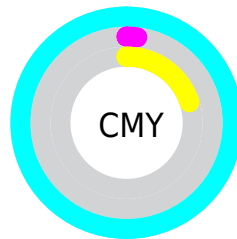
- Red (0%)
- Green (98%)
- Blue (80%)



- Red (0%)
- Yellow (54%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 59.529, 172.922 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 88, 59.529, 172.922 by changing the saturation by 10% instead.


 88, 59.529,
172.922


 88, 59.529,
172.922


 100, 59.529,
172.922


 78, 59.529,
172.922

 68, 59.529,
172.922

 58, 59.529,
172.922

 48, 59.529,
172.922

 38, 59.529,
172.922

 28, 59.529,
172.922

 18, 59.529,

172.922

■ 8, 59.529, 172.922

■ 0, 59.529, 172.922

■ 88, 59.529,
172.922

■ 88, 59.529,
172.922

■ 88, 59.511,
172.915

■ 88, 57.486,
174.653

■ 89, 54.648,
176.251

■ 89, 50.800,
177.692

■ 90, 45.907,
178.995

■ 91, 40.016,

180.183

■ 92, 33.227,
181.280

■ 93, 25.678,
182.305

■ 94, 17.524,
183.278

■ 96, 8.916, 184.227

Harmonies

Complementary

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



88, 59.529, 172.922



52, 93.589, 32.190

Rectangle

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



88, 59.529, 172.922



88, 59.529, 222.922



88, 59.529, 352.922



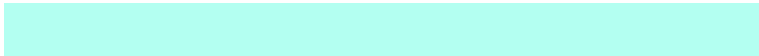
88, 59.529, 42.922

Sweetspot

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



88, 59.511, 172.915



95, 26.187, 182.301



86, 115.981, 135.000



50, 17.656, 181.876



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 59.511, 172.915



90, 60.636, 172.890



66, 49.906, 260.200



51, 5.089, 184.275



68, 48.156, 173.236



22, 21.190, 175.688

Inverse Universe

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



52, 93.589, 32.190



53, 95.399, 32.262



58, 92.622, 47.621



49, 5.299, 5.854



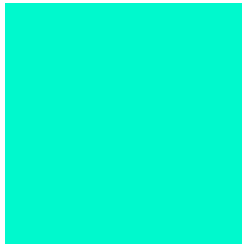
39, 75.313, 31.228



9, 31.106, 18.853

Previews

White Background



This preview shows how the CIE LCh color 88, 59.529, 172.922 looks on a white background.

Color Contrast Check

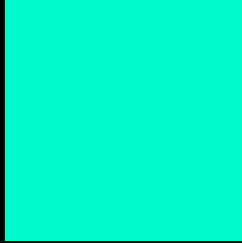
Large Text (above 18pt) WCAG AA × Fail

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 88, 59.529, 172.922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

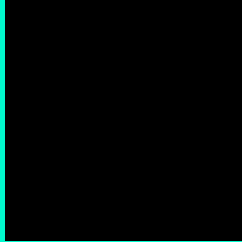
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

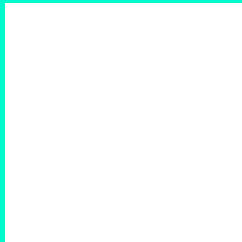
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 59.529, 172.922

Background



This preview shows how black text looks on a background with the CIELCh color 88, 59.529, 172.922.

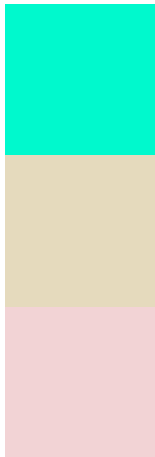


This preview shows how white text looks on a background with the CIELCh color 88, 59.529, 172.922.

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](#).

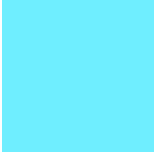
Dichromacy



Original Color
88, 59.529, 172.922

Protanopia
87, 15.661, 93.367

Deuteranopia
87, 11.502, 15.039

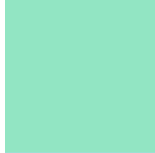


Tritanopia
88, 35.882, 211.765

Trichromacy



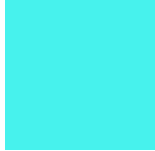
Original Color
88, 59.529, 172.922



Protanomaly
85, 33.771, 165.160



Deuteranomaly
85, 25.313, 179.403

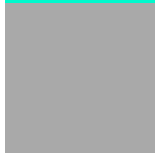


Tritanomaly
87, 44.492, 193.175

Monochromacy



Original Color
88, 59.529, 172.922



Achromatopsia
69, 0.009, 296.813



Achromatomaly
74, 30.850, 180.674

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 59.529, 172.922 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, 249, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 249, 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, 249, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 249, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 59.529, 172.922 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, 249, 205) }
```

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

```
.border{ border-color:rgb(0, 249, 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, 249, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 249, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 249, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 249,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 59.529, 172.922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 249, 205) }
```

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

```
.background{ background-color: rgb(0, 249,  
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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