

Converting Colors

CIELCh(89, 58.617, 175.176)

Have a look what the booklet for
CIELCh(89, 58.617, 175.176)
contains.

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Color

CIELCh(89, 58.718, 174.900)

Conversions

Conversions Part 1

Format	Color
Hex	00FCD4
RGB	0, 252, 212
RGB Percent	0%, 99%, 83%
CMY	1.0000, 0.0129, 0.1697
CMYK	1.00, 0.00, 0.16, 0.01
HSL	170°, 100%, 49%
HSV	170°, 100%, 99%
XYZ	46.5425, 74.1641, 73.9667
YIQ	172.0920, -137.3520, -65.8640

Conversions

Conversions Part 2

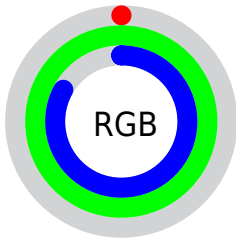
Format	Color
RYB	0, 137, 252
Decimal	64724
CIELab	89.00, -58.49, 5.22
CIElCh	89, 58.718, 174.900
Yxy	74.1641, 0.2391, 0.3810
Android (android.graphics.Color)	4278254804 (0xFF00FCD4)
YUV	172.0920, 19.6746, -150.9247
Hunter-Lab	86.1186, -54.2378, 9.3592

Details

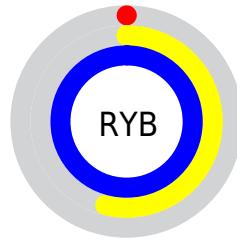
The CIELCh color **89, 58.718, 174.900** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **53, 95.577, 33.406**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.067, 197.028**, and **70, 50.059, 171.729** is the 20% darker color. If you saturate the color by 10%, you get **89, 58.676, 174.886**, and if you desaturate by 10%, it is **89, 56.820, 176.521**.

Distribution



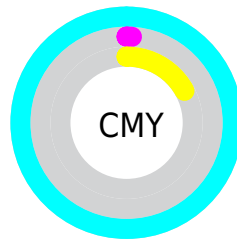
- Red (0%)
- Green (99%)
- Blue (83%)



- Red (0%)
- Yellow (54%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (1%)



- Cyan (100%)
- Magenta (1%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 58.718, 174.900 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 89, 58.718, 174.900 by changing the saturation by 10% instead.

 89, 58.718,
174.900

 89, 58.718,
174.900

 100, 58.718,
174.900

 79, 58.718,
174.900

 69, 58.718,
174.900

 59, 58.718,
174.900

 49, 58.718,
174.900

 39, 58.718,
174.900

 29, 58.718,
174.900

 19, 58.718,

174.900

■ 9, 58.718, 174.900

■ 0, 58.718, 174.900

■ 89, 58.718,
174.900

■ 89, 58.718,
174.900

■ 89, 58.676,
174.886

■ 89, 56.820,
176.521

■ 90, 54.138,
178.024

■ 90, 50.430,
179.382

■ 91, 45.659,
180.614

■ 92, 39.868,

181.743

■ 93, 33.156,
182.791

■ 94, 25.661,
183.778

■ 95, 17.535,
184.720

■ 97, 8.933, 185.646

Harmonies

Complementary

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



89, 58.718, 174.900



53, 95.577, 33.406

Rectangle

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



89, 58.718, 174.900



89, 58.718, 224.900



89, 58.718, 354.900



89, 58.718, 44.900

Sweetspot

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



89, 58.676, 174.886



95, 25.930, 183.776



87, 117.242, 135.166



50, 17.473, 183.366



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 58.676, 174.886



90, 59.264, 174.874



66, 51.903, 263.148



51, 5.052, 185.694



69, 47.088, 175.198



22, 20.788, 177.491

Inverse Universe

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



53, 95.577, 33.406



53, 96.559, 33.443



59, 92.587, 48.454



49, 5.271, 7.239



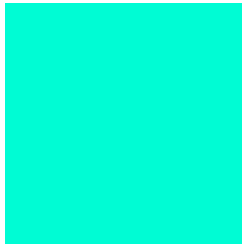
39, 76.218, 32.451



9, 31.195, 19.623

Previews

White Background



This preview shows how the CIE LCh color 89, 58.718, 174.900 looks on a white background.

Color Contrast Check

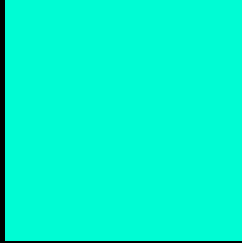
Large Text (above 18pt) WCAG AA × Fail

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 89, 58.718, 174.900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

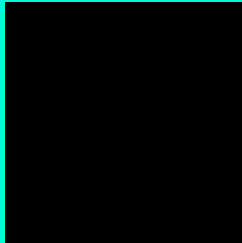
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

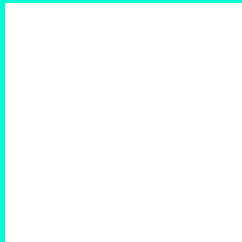
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 58.718, 174.900

Background



This preview shows how black text looks on a background with the CIELCh color 89, 58.718, 174.900.

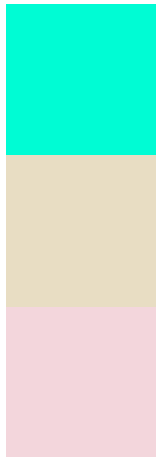


This preview shows how white text looks on a background with the CIELCh color 89, 58.718, 174.900.

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](#).

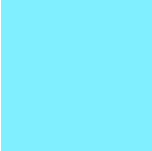
Dichromacy



Original Color
89, 58.718, 174.900

Protanopia
88, 14.120, 91.911

Deuteranopia
88, 11.055, 3.827

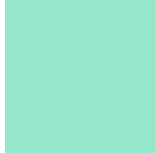


Tritanopia
89, 32.754, 212.377

Trichromacy



Original Color
89, 58.718, 174.900



Protanomaly
86, 33.014, 167.657



Deuteranomaly
86, 25.031, 184.285

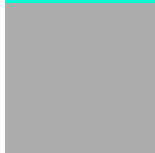


Tritanomaly
88, 43.541, 193.182

Monochromacy



Original Color
89, 58.718, 174.900



Achromatopsia
70, 0.009, 296.813



Achromatomaly
75, 31.095, 181.896

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 58.718, 174.900 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, 252, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 212)  
}
```

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, 252, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 58.718, 174.900 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, 252, 212) }
```

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

```
.border{ border-color:rgb(0, 252, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 252, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 252, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 252,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 58.718, 174.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 252, 212) }
```

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

```
.background{ background-color: rgb(0, 252,  
212) }
```

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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