

Converting Colors

CIELCh(89, 56.861, 178.040)

Have a look what the booklet for
CIELCh(89, 56.861, 178.040)
contains.

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Color

CIELCh(89, 56.585, 178.089)

Conversions

Conversions Part 1

Format	Color
Hex	01FBDA
RGB	1, 251, 218
RGB Percent	0%, 98%, 85%
CMY	0.9958, 0.0151, 0.1445
CMYK	1.00, 0.00, 0.13, 0.02
HSL	172°, 99%, 49%
HSV	172°, 100%, 98%
XYZ	47.2304, 74.1641, 78.2533
YIQ	172.4880, -138.4070, -63.2630

Conversions

Conversions Part 2

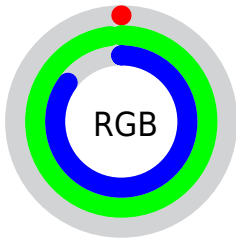
Format	Color
RYB	1, 135, 251
Decimal	130010
CIELab	89.00, -56.55, 1.89
CIELCh	89, 56.585, 178.089
Yxy	74.1641, 0.2366, 0.3715
Android (android.graphics.Color)	4278320090 (0xFF01FBDA)
YUV	172.4880, 22.4374, -150.3950
Hunter-Lab	86.1186, -52.8121, 6.4080

Details

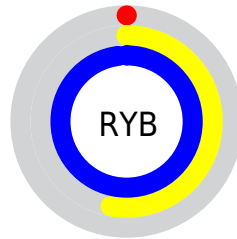
The CIELCh color **89, 56.585, 178.089** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **53, 96.825, 34.841**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.067, 197.028**, and **70, 47.697, 175.555** is the 20% darker color. If you saturate the color by 10%, you get **89, 56.647, 178.026**, and if you desaturate by 10%, it is **89, 54.970, 179.536**.

Distribution



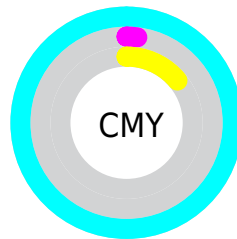
- Red (0%)
- Green (98%)
- Blue (85%)



- Red (0%)
- Yellow (53%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 56.585, 178.089 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, 56.585, 178.089 by changing the saturation by 10% instead.


 89, 56.585,
178.089


 89, 56.585,
178.089


 100, 56.585,
178.089

 79, 56.585,
178.089

 69, 56.585,
178.089

 59, 56.585,
178.089

 49, 56.585,
178.089

 39, 56.585,
178.089

 29, 56.585,
178.089

 19, 56.585,

178.089

■ 9, 56.585, 178.089

■ 0, 56.585, 178.089

■ 89, 56.585,
178.089

■ 89, 56.585,
178.089

■ 89, 56.647,
178.026

■ 89, 54.970,
179.536

■ 89, 52.504,
180.866

■ 90, 49.001,
182.073

■ 91, 44.426,
183.177

■ 91, 38.820,

184.201

■ 93, 32.278,
185.163

■ 94, 24.937,
186.079

■ 95, 16.945,
186.966

■ 97, 8.457, 187.851

Harmonies

Complementary

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



89, 56.585, 178.089



53, 96.825, 34.841

Rectangle

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



89, 56.585, 178.089



89, 56.585, 228.089



89, 56.585, 358.089



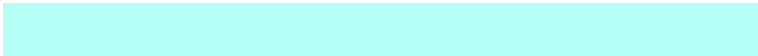
89, 56.585, 48.089

Sweetspot

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



89, 56.585, 178.088



95, 25.576, 186.039



87, 117.364, 135.436



50, 17.219, 185.656



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, 56.585, 178.088



90, 57.311, 178.013



63, 55.083, 268.327



51, 5.002, 187.858



69, 45.569, 178.300



22, 20.216, 180.319

Inverse Universe

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



53, 96.825, 34.841



53, 98.274, 35.057



60, 90.428, 50.398



49, 5.235, 9.342



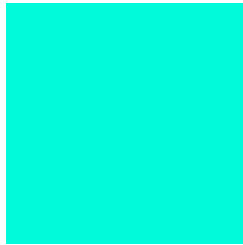
39, 77.577, 34.142



9, 31.336, 20.753

Previews

White Background



This preview shows how the CIE LCh color 89, 56.585, 178.089 looks on a white background.

Color Contrast Check

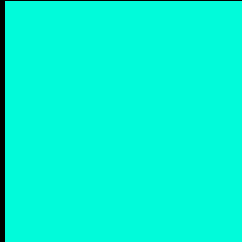
Large Text (above 18pt) WCAG AA × Fail

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, 56.585, 178.089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

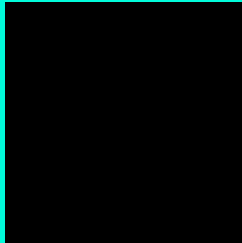
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

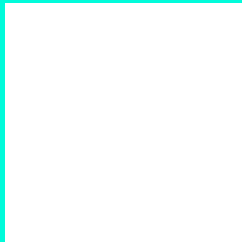
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 56.585, 178.089

Background



This preview shows how black text looks on a background with the CIELCh color 89, 56.585, 178.089.

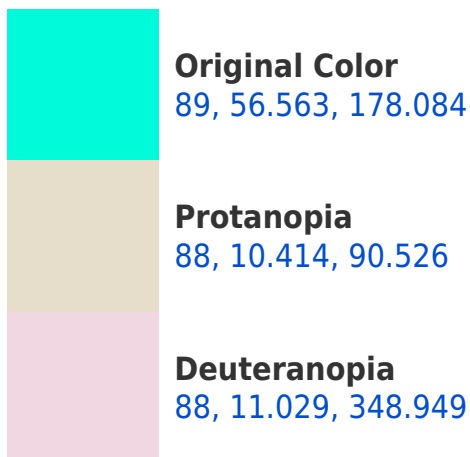


This preview shows how white text looks on a background with the CIELCh color 89, 56.585, 178.089.

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



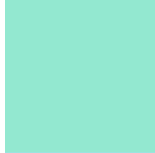


Tritanopia
89, 32.961, 212.270

Trichromacy



Original Color
89, 56.563, 178.084



Protanomaly
86, 31.240, 173.470



Deuteranomaly
86, 24.387, 191.537

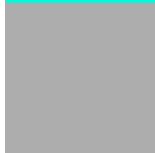


Tritanomaly
88, 42.793, 196.004

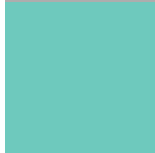
Monochromacy



Original Color
89, 56.563, 178.084



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 30.211, 184.689

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 56.585, 178.089 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, 251, 218)` looks like.

```
.text, #text, p{  
    color:rgb(1, 251, 218)  
}
```

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, 251, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 251, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 56.585, 178.089 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, 251, 218) }
```

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

```
.border{ border-color:rgb(1, 251, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 251, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 251, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 251, 218);  
box-shadow:4px 4px 4px 4px rgb(1, 251,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 56.585, 178.089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 251, 218) }
```

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

```
.background{ background-color: rgb(1, 251,  
218) }
```

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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