

Converting Colors

CIELCh(83, 106.129, 188.442)

Have a look what the booklet for
CIELCh(83, 106.129, 188.442)
contains.

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Color

CIELCh(89, 52.462, 186.330)

Conversions

Conversions Part 1

Format	Color
Hex	00FAE9
RGB	0, 250, 233
RGB Percent	0%, 98%, 91%
CMY	1.0000, 0.0201, 0.0867
CMYK	1.00, 0.00, 0.07, 0.02
HSL	176°, 100%, 49%
HSV	176°, 100%, 98%
XYZ	48.8263, 74.1641, 88.7423
YIQ	173.3120, -143.5430, -58.2870

Conversions

Conversions Part 2

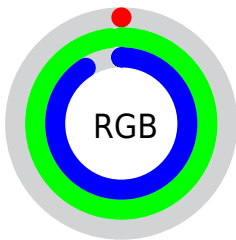
Format	Color
RYB	0, 129, 250
Decimal	64233
CIELab	89.00, -52.14, -5.78
CIELCh	89, 52.462, 186.330
Yxy	74.1641, 0.2306, 0.3503
Android (android.graphics.Color)	4278254313 (0xFF00FAE9)
YUV	173.3120, 29.4262, -151.9946
Hunter-Lab	86.1186, -49.5041, -0.8133

Details

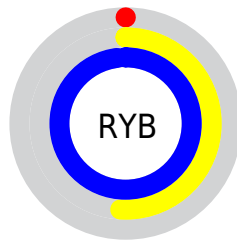
The CIELCh color **89, 52.462, 186.330** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **52, 100.271, 38.003**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.875, 197.039**, and **70, 43.427, 185.106** is the 20% darker color. If you saturate the color by 10%, you get **89, 52.444, 186.327**, and if you desaturate by 10%, it is **89, 51.393, 187.201**.

Distribution



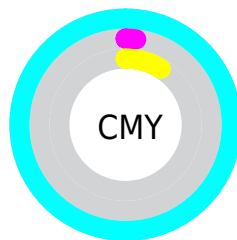
- Red (0%)
- Green (98%)
- Blue (91%)



- Red (0%)
- Yellow (51%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 52.462, 186.330 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, 52.462, 186.330 by changing the saturation by 10% instead.


 89, 52.462,
186.330


 89, 52.462,
186.330


 100, 52.462,
186.330


 79, 52.462,
186.330

 69, 52.462,
186.330

 59, 52.462,
186.330

 49, 52.462,
186.330

 39, 52.462,
186.330


 29, 52.462,
186.330


 19, 52.462,


186.330


 9, 52.462, 186.330


 0, 52.462, 186.330


 89, 52.462,
186.330


 89, 52.462,
186.330

 89, 52.444,
186.327

 89, 51.393,
187.201

 89, 49.506,
188.020

 90, 46.577,
188.790

 90, 42.559,
189.525

 91, 37.475,

190.241

■ 92, 31.409,
190.949

■ 93, 24.484,
191.658

■ 95, 16.842,
192.376

■ 96, 8.633, 193.123

Harmonies

Complementary

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



89, 52.462, 186.330



52, 100.271, 38.003

Rectangle

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



89, 52.462, 186.330



89, 52.462, 236.330



89, 52.462, 6.330



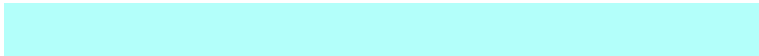
89, 52.462, 56.330

Sweetspot

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



89, 52.444, 186.327



95, 24.887, 191.656



86, 117.502, 135.739



50, 16.720, 191.356



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, 52.444, 186.327



91, 53.260, 186.317



59, 60.981, 275.594



51, 4.913, 193.163



69, 42.417, 186.487



22, 19.026, 187.669

Inverse Universe

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



52, 100.271, 38.003



53, 101.872, 38.040



62, 87.863, 53.520



49, 5.179, 14.444



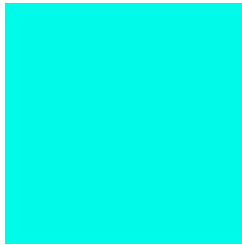
39, 80.565, 37.385



9, 31.718, 23.400

Previews

White Background



This preview shows how the CIE LCh color 89, 52.462, 186.330 looks on a white background.

Color Contrast Check

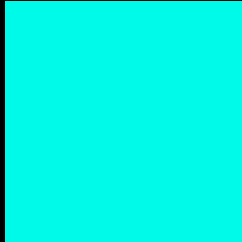
Large Text (above 18pt) WCAG AA × Fail

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 89, 52.462, 186.330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

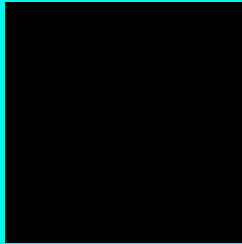
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

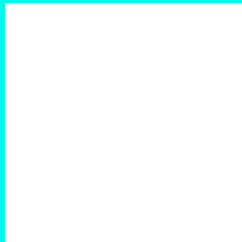
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 52.462, 186.330

Background



This preview shows how black text looks on a background with the CIELCh color 89, 52.462, 186.330.

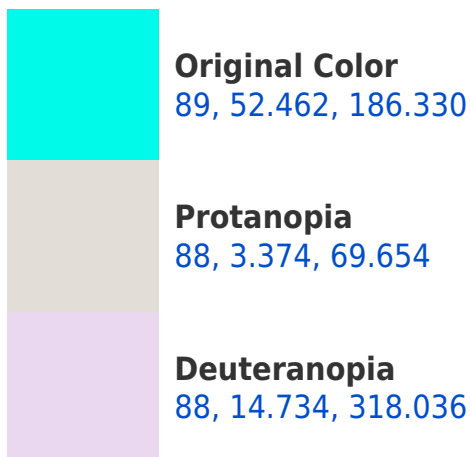


This preview shows how white text looks on a background with the CIELCh color 89, 52.462, 186.330.

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



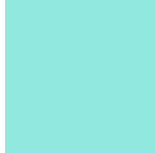


Tritanopia
89, 33.167, 212.165

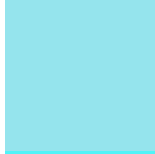
Trichromacy



Original Color
89, 52.462, 186.330



Protanomaly
86, 28.918, 186.952



Deuteranomaly
86, 25.033, 208.790

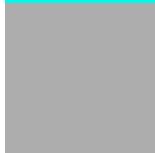


Tritanomaly
88, 42.357, 199.627

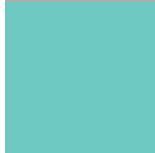
Monochromacy



Original Color
89, 52.462, 186.330



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 29.149, 190.818

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 52.462, 186.330 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, 250, 233)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 233)  
}
```

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, 250, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 52.462, 186.330 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, 250, 233) }
```

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

```
.border{ border-color:rgb(0, 250, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 250, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 250,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 52.462, 186.330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 250, 233) }
```

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

```
.background{ background-color: rgb(0, 250,  
233) }
```

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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