

Converting Colors

CIELCh(89, 49.341, 196.415)

Have a look what the booklet for
CIELCh(89, 49.341, 196.415)
contains.

CIELCh(89, 48.930, 197.018)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 48.930, 197.018)

Conversions

Conversions Part 1

Format	Color
Hex	02F8F9
RGB	2, 248, 249
RGB Percent	1%, 97%, 98%
CMY	0.9922, 0.0264, 0.0225
CMYK	0.99, 0.00, 0.00, 0.02
HSL	180°, 98%, 49%
HSV	180°, 99%, 98%
XYZ	50.8113, 74.1641, 101.4713
YIQ	174.5600, -146.9370, -51.8410

Conversions

Conversions Part 2

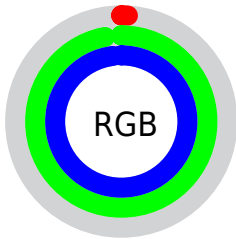
Format	Color
R _Y B	2, 125, 249
Decimal	194809
CIE Lab	89.00, -46.79, -14.32
CIE LCh	89, 48.930, 197.018
Yxy	74.1641, 0.2244, 0.3275
Android (android.graphics.Color)	4278384889 (0xFF02F8F9)
YUV	174.5600, 36.6989, -151.3351
Hunter-Lab	86.1186, -45.3898, -9.5768

Details

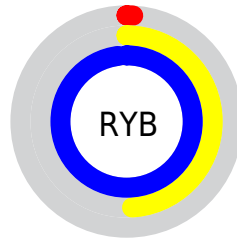
The CIELCh color **89, 48.930, 197.018** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **52, 102.318, 39.859**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.486, 197.062**, and **70, 40.042, 198.008** is the 20% darker color. If you saturate the color by 10%, you get **89, 48.968, 197.019**, and if you desaturate by 10%, it is **89, 48.257, 197.002**.

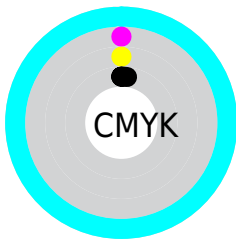
Distribution



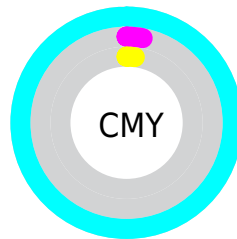
- Red (1%)
- Green (97%)
- Blue (98%)



- Red (1%)
- Yellow (49%)
- Blue (98%)



- Cyan (99%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)



- Cyan (99%)
- Magenta (3%)
- Yellow (2%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 48.930, 197.018 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, 48.930, 197.018 by changing the saturation by 10% instead.


 89, 48.930,
197.018

 89, 48.930,
197.018


 100, 48.930,
197.018


 79, 48.930,
197.018

 69, 48.930,
197.018

 59, 48.930,
197.018

 49, 48.930,
197.018

 39, 48.930,
197.018

 29, 48.930,
197.018

 19, 48.930,

197.018

■ 9, 48.930, 197.018

■ 0, 48.930, 197.018

■ 89, 48.930,
197.018

■ 89, 48.930,
197.018

■ 89, 48.968,
197.019

■ 89, 48.257,
197.002

■ 89, 46.724,
197.045

■ 90, 44.150,
197.157

■ 90, 40.480,
197.343

■ 91, 35.728,

197.602

■ 92, 29.965,
197.933

■ 93, 23.303,
198.330

■ 95, 15.878,
198.791

■ 96, 7.831, 199.331

Harmonies

Complementary

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



89, 48.930, 197.018



52, 102.318, 39.859

Rectangle

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



89, 48.930, 197.018



89, 48.930, 247.018



89, 48.930, 17.018



89, 48.930, 67.018

Sweetspot

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



89, 48.929, 197.017



95, 24.306, 198.294



86, 117.565, 136.038



50, 16.296, 198.121



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, 48.929, 197.017



91, 49.820, 197.020



54, 71.722, 284.622



51, 4.844, 199.313



69, 39.732, 197.008



23, 17.990, 196.930

Inverse Universe

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



59, 113.096, 328.390



60, 115.197, 328.396



66, 83.718, 60.053



49, 8.884, 325.053



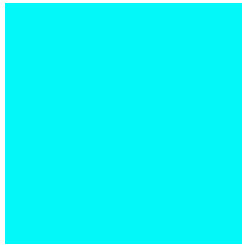
45, 91.867, 328.393



12, 41.581, 328.373

Previews

White Background



This preview shows how the CIE LCh color 89, 48.930, 197.018 looks on a white background.

Color Contrast Check

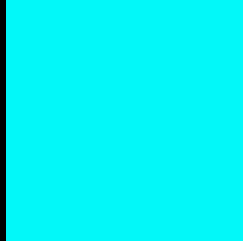
Large Text (above 18pt) WCAG AA × Fail

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, 48.930, 197.018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

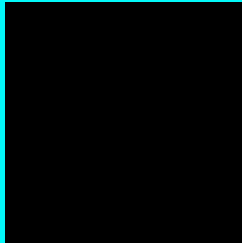
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 48.930, 197.018

Background



This preview shows how black text looks on a background with the CIELCh color 89, 48.930, 197.018.

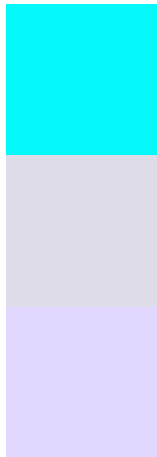


This preview shows how white text looks on a background with the CIELCh color 89, 48.930, 197.018.

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

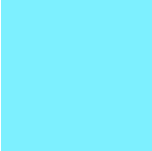
89, 48.889, 197.021

Protanopia

88, 6.321, 297.087

Deuteranopia

88, 20.733, 301.187

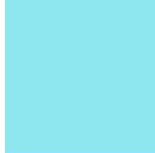


Tritanopia
89, 33.562, 211.019

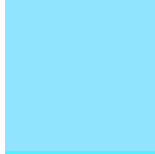
Trichromacy



Original Color
89, 48.889, 197.021



Protanomaly
86, 27.318, 206.582



Deuteranomaly
86, 27.585, 226.602

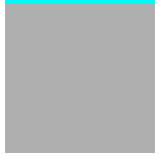


Tritanomaly
88, 41.872, 204.092

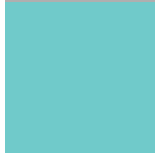
Monochromacy



Original Color
89, 48.889, 197.021



Achromatopsia
71, 0.009, 296.813



Achromatomaly
76, 28.167, 197.354

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 48.930, 197.018 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(2, 248, 249)` looks like.

```
.text, #text, p{  
    color:rgb(2, 248, 249)  
}
```

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(2, 248, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 248, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 48.930, 197.018 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(2, 248, 249) }
```

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

```
.border{ border-color:rgb(2, 248, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 248, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 248, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 248, 249);  
box-shadow:4px 4px 4px 4px rgb(2, 248,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 48.930, 197.018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 248, 249) }
```

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

```
.background{ background-color: rgb(2, 248,  
249) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor