

Converting Colors

CIELCh(89, 51.027, 189.928)

Have a look what the booklet for
CIELCh(89, 51.027, 189.928)
contains.

CIELCh(89, 50.860, 190.302)	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, 50.860, 190.302)

Conversions

Conversions Part 1

Format	Color
Hex	03F9EF
RGB	3, 249, 239
RGB Percent	1%, 98%, 94%
CMY	0.9891, 0.0226, 0.0618
CMYK	0.99, 0.00, 0.04, 0.02
HSL	178°, 98%, 49%
HSV	178°, 99%, 98%
XYZ	49.5993, 74.1641, 93.5455
YIQ	174.3060, -143.4060, -55.2620

Conversions

Conversions Part 2

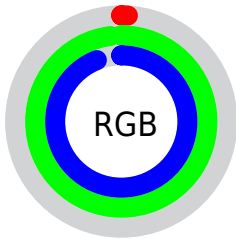
Format	Color
R_{YB}	3, 129, 249
Decimal	260591
CIE Lab	89.00, -50.04, -9.10
CIE LCh	89, 50.860, 190.302
Yxy	74.1641, 0.2282, 0.3413
Android (android.graphics.Color)	4278450671 (0xFF03F9EF)
YUV	174.3060, 31.8941, -150.2354
Hunter-Lab	86.1186, -47.9020, -4.1202

Details

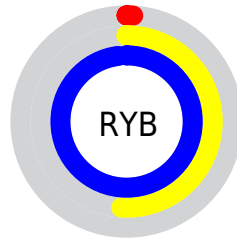
The CIELCh color **89, 50.860, 190.302** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **52, 100.672, 38.646**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.681, 197.050**, and **70, 42.087, 189.431** is the 20% darker color. If you saturate the color by 10%, you get **89, 50.940, 190.238**, and if you desaturate by 10%, it is **89, 49.934, 190.864**.

Distribution



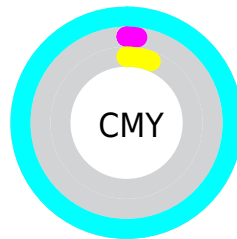
- Red (1%)
- Green (98%)
- Blue (94%)



- Red (1%)
- Yellow (51%)
- Blue (98%)



- Cyan (99%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)



- Cyan (99%)
- Magenta (2%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 50.860, 190.302 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, 50.860, 190.302 by changing the saturation by 10% instead.


 89, 50.860,
190.302

 89, 50.860,
190.302


 100, 50.860,
190.302


 79, 50.860,
190.302

 69, 50.860,
190.302

 59, 50.860,
190.302

 49, 50.860,
190.302

 39, 50.860,
190.302

 29, 50.860,
190.302

 19, 50.860,

190.302

■ 9, 50.860, 190.302

■ 0, 50.860, 190.302

■ 89, 50.860,
190.302

■ 89, 50.860,
190.302

■ 89, 50.940,
190.238

■ 89, 49.934,
190.864

■ 89, 48.124,
191.408

■ 90, 45.265,
191.945

■ 90, 41.311,
192.486

■ 91, 36.288,

193.042

■ 92, 30.280,
193.618

■ 93, 23.406,
194.219

■ 95, 15.808,
194.850

■ 96, 7.632, 195.532

Harmonies

Complementary

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



89, 50.860, 190.302



52, 100.672, 38.646

Rectangle

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



89, 50.860, 190.302



89, 50.860, 240.302



89, 50.860, 10.302



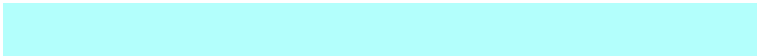
89, 50.860, 60.302

Sweetspot

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



89, 50.859, 190.301



95, 24.662, 194.149



86, 117.251, 135.897



50, 16.555, 193.893



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, 50.859, 190.301



91, 51.832, 190.231



57, 64.539, 279.147



51, 4.887, 195.487



69, 41.304, 190.338



23, 18.602, 191.078

Inverse Universe

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



52, 100.672, 38.646



53, 103.026, 38.902



63, 85.517, 56.189



49, 5.169, 16.656



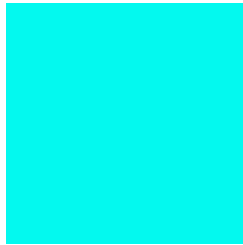
39, 81.637, 38.421



9, 31.902, 24.514

Previews

White Background



This preview shows how the CIE LCh color 89, 50.860, 190.302 looks on a white background.

Color Contrast Check

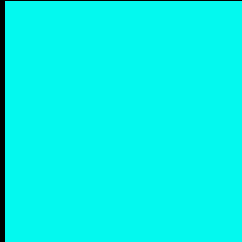
Large Text (above 18pt) WCAG AA × Fail

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, 50.860, 190.302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

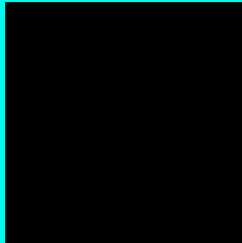
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 50.860, 190.302

Background



This preview shows how black text looks on a background with the CIELCh color 89, 50.860, 190.302.

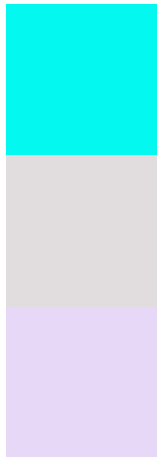


This preview shows how white text looks on a background with the CIELCh color 89, 50.860, 190.302.

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, 50.817, 190.299

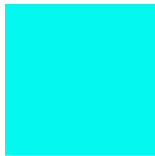
Protanopia
88, 2.093, 349.380

Deuteranopia
88, 17.080, 309.080

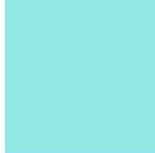


Tritanopia
89, 33.357, 211.116

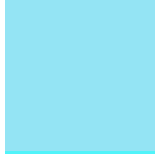
Trichromacy



Original Color
89, 50.817, 190.299



Protanomaly
86, 27.682, 194.281

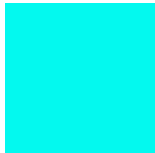


Deuteranomaly
86, 25.690, 217.128

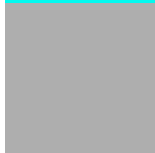


Tritanomaly
88, 42.036, 201.125

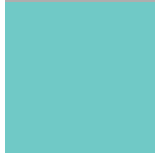
Monochromacy



Original Color
89, 50.817, 190.299



Achromatopsia
71, 0.009, 296.813



Achromatomaly
76, 28.246, 194.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 50.860, 190.302 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(3, 249, 239)` looks like.

```
.text, #text, p{  
    color:rgb(3, 249, 239)  
}
```

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(3, 249, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 249, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 50.860, 190.302 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(3, 249, 239) }
```

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

```
.border{ border-color:rgb(3, 249, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 249, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 249, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 249, 239);  
box-shadow:4px 4px 4px 4px rgb(3, 249,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 50.860, 190.302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 249, 239) }
```

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

```
.background{ background-color: rgb(3, 249,  
239) }
```

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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