

Converting Colors

CIELCh(89, 48.807, 196.747)

Have a look what the booklet for
CIELCh(89, 48.807, 196.747)
contains.

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Color

CIELCh(89, 48.701, 197.034)

Conversions

Conversions Part 1

Format	Color
Hex	0CF8F9
RGB	12, 248, 249
RGB Percent	5%, 97%, 98%
CMY	0.9522, 0.0268, 0.0229
CMYK	0.95, 0.00, 0.00, 0.02
HSL	180°, 95%, 51%
HSV	180°, 95%, 98%
XYZ	50.8951, 74.1641, 101.3871
YIQ	177.5500, -140.9770, -49.7210

Conversions

Conversions Part 2

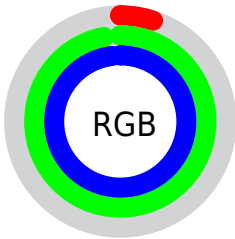
Format	Color
R _Y B	12, 130, 249
Decimal	850169
CIE Lab	89.00, -46.56, -14.27
CIE LCh	89, 48.701, 197.034
Yxy	74.1641, 0.2248, 0.3275
Android (android.graphics.Color)	4279040249 (0xFF0CF8F9)
YUV	177.5500, 35.2249, -145.1873
Hunter-Lab	86.1186, -45.2161, -9.5189

Details

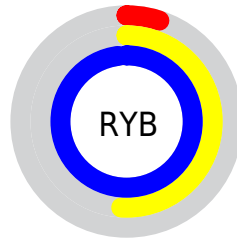
The CIELCh color **89, 48.701, 197.034** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **52, 100.240, 39.045**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.289, 197.073**, and **70, 40.042, 198.008** is the 20% darker color. If you saturate the color by 10%, you get **89, 48.941, 197.047**, and if you desaturate by 10%, it is **89, 47.723, 197.036**.

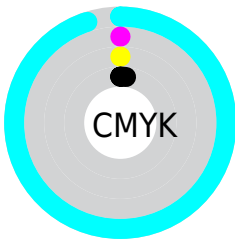
Distribution



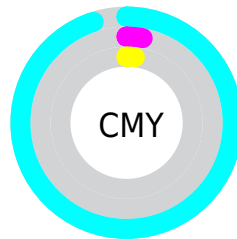
- Red (5%)
- Green (97%)
- Blue (98%)



- Red (5%)
- Yellow (51%)
- Blue (98%)



- Cyan (95%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)




- Cyan (95%)
- Magenta (3%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 48.701, 197.034 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, 48.701, 197.034 by changing the saturation by 10% instead.

 89, 48.701,
197.034

 89, 48.701,
197.034

 100, 48.701,
197.034

 79, 48.701,
197.034

 69, 48.701,
197.034

 59, 48.701,
197.034

 49, 48.701,
197.034

 39, 48.701,
197.034

 29, 48.701,
197.034

 19, 48.701,

197.034

 9, 48.701, 197.034


 0, 48.701, 197.034


 89, 48.701,
197.034


 89, 48.701,
197.034

 89, 48.941,
197.047

 89, 47.723,
197.036

 90, 45.778,
197.105

 90, 42.760,
197.246

 91, 38.644,
197.460

 92, 33.470,

197.748

■ 93, 27.327,
198.105

■ 94, 20.339,
198.528

■ 95, 12.646,
199.016

■ 97, 4.390, 199.628

Harmonies

Complementary

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



89, 48.701, 197.034



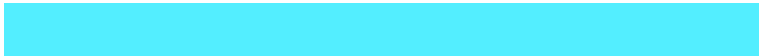
52, 100.240, 39.045

Rectangle

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



89, 48.701, 197.034



89, 48.701, 247.034



89, 48.701, 17.034



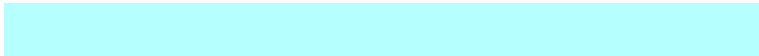
89, 48.701, 67.034

Sweetspot

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



89, 48.700, 197.033



95, 23.585, 198.354



86, 116.679, 136.150



50, 15.904, 198.176



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, 48.700, 197.033



91, 49.807, 197.048



55, 68.700, 282.762



51, 4.843, 199.329



69, 39.722, 197.036



23, 17.986, 196.954

Inverse Universe

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



59, 112.366, 328.371



60, 115.181, 328.403



67, 81.769, 61.259



49, 8.883, 325.058



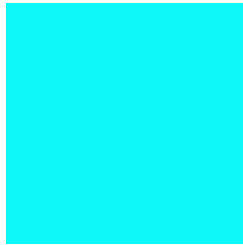
45, 91.854, 328.400



12, 41.576, 328.379

Previews

White Background



This preview shows how the CIE LCh color 89, 48.701, 197.034 looks on a white background.

Color Contrast Check

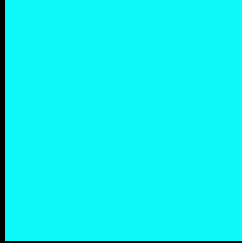
Large Text (above 18pt) WCAG AA × Fail

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, 48.701, 197.034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

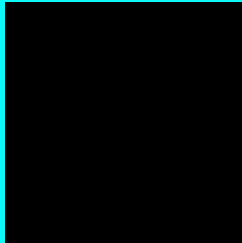
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

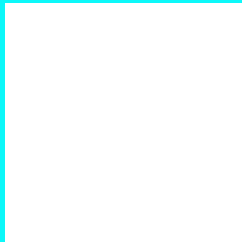
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 48.701, 197.034

Background



This preview shows how black text looks on a background with the CIELCh color 89, 48.701, 197.034.

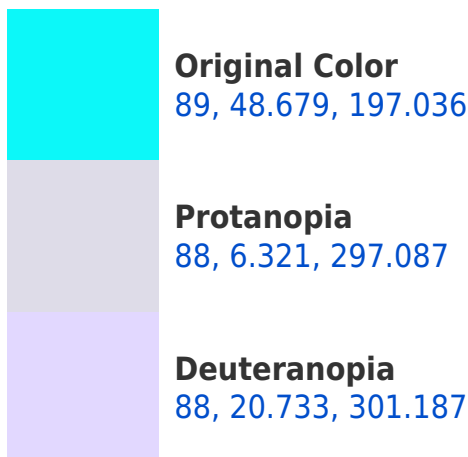


This preview shows how white text looks on a background with the CIELCh color 89, 48.701, 197.034.

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, 33.562, 211.019

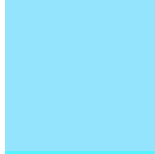
Trichromacy



Original Color
89, 48.679, 197.036



Protanomaly
86, 26.307, 206.988



Deuteranomaly
86, 26.930, 227.399

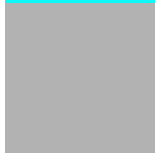


Tritanomaly
88, 41.333, 204.218

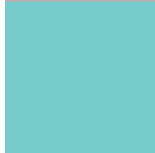
Monochromacy



Original Color
89, 48.679, 197.036



Achromatopsia
73, 0.009, 296.813



Achromatomaly
77, 27.182, 197.439

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 48.701, 197.034 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(12, 248, 249)` looks like.

```
.text, #text, p{  
    color:rgb(12, 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(12, 248, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 248, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 48.701, 197.034 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(12, 248, 249) }
```

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

```
.border{ border-color:rgb(12, 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(12, 248, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 248, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 248, 249);  
box-shadow:4px 4px 4px 4px rgb(12, 248,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 48.701, 197.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 248, 249) }
```

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

```
.background{ background-color: rgb(12, 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](#).

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