

Converting Colors

CIELCh(89, 48.129, 200.440)

Have a look what the booklet for
CIELCh(89, 48.129, 200.440)
contains.

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Color

CIELCh(89, 48.190, 200.243)

Conversions

Conversions Part 1

Format	Color
Hex	04F8FE
RGB	4, 248, 254
RGB Percent	2%, 97%, 100%
CMY	0.9828, 0.0283, 0.0048
CMYK	0.98, 0.02, 0.00, 0.00
HSL	181°, 99%, 51%
HSV	181°, 98%, 100%
XYZ	51.4049, 74.1641, 105.1829
YIQ	175.7280, -147.3500, -49.8620

Conversions

Conversions Part 2

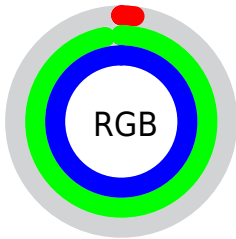
Format	Color
RYB	4, 127, 254
Decimal	325886
CIELab	89.00, -45.21, -16.67
CIELCh	89, 48.190, 200.243
Yxy	74.1641, 0.2228, 0.3214
Android (android.graphics.Color)	4278515966 (0xFF04F8FE)
YUV	175.7280, 38.5881, -150.6055
Hunter-Lab	86.1186, -44.1595, -12.1321

Details

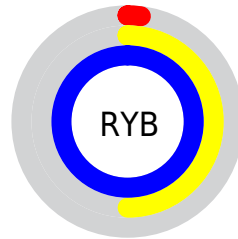
The CIELCh color **89, 48.190, 200.243** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **53, 103.024, 39.815**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.289, 197.073**, and **70, 39.559, 201.313** is the 20% darker color. If you saturate the color by 10%, you get **89, 48.251, 200.300**, and if you desaturate by 10%, it is **89, 47.581, 199.935**.

Distribution



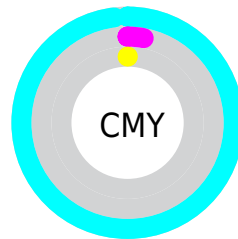
- Red (2%)
- Green (97%)
- Blue (100%)



- Red (2%)
- Yellow (50%)
- Blue (100%)



- Cyan (98%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (98%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 48.190, 200.243 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, 48.190, 200.243 by changing the saturation by 10% instead.

 89, 48.190,
200.243

 89, 48.190,
200.243

 100, 48.190,
200.243

 79, 48.190,
200.243

 69, 48.190,
200.243

 59, 48.190,
200.243

 49, 48.190,
200.243

 39, 48.190,
200.243

 29, 48.190,
200.243

 19, 48.190,

200.243

■ 9, 48.190, 200.243

■ 0, 48.190, 200.243

■ 89, 48.190,
200.243

■ 89, 48.190,
200.243

■ 89, 48.251,
200.300

■ 89, 47.581,
199.935

■ 90, 46.059,
199.733

■ 90, 43.470,
199.643

■ 91, 39.768,
199.663

■ 92, 34.980,

199.785

■ 93, 29.184,
200.003

■ 95, 22.498,
200.306

■ 96, 15.060,
200.687

■ 98, 7.014, 201.165

Harmonies

Complementary

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



89, 48.190, 200.243



53, 103.024, 39.815

Rectangle

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



89, 48.190, 200.243



89, 48.190, 250.243



89, 48.190, 20.243



89, 48.190, 70.243

Sweetspot

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



89, 48.189, 200.242



95, 23.103, 200.281



87, 118.730, 136.151



50, 15.578, 200.144



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, 48.189, 200.242



89, 48.427, 200.301



54, 74.511, 285.843



52, 4.826, 201.097



69, 39.027, 200.232



23, 18.025, 199.754

Inverse Universe

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



60, 112.703, 329.207



60, 113.368, 329.231



68, 83.885, 61.686



50, 8.910, 325.597



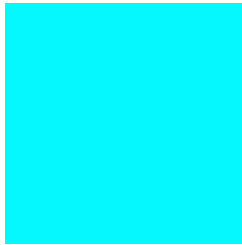
45, 91.342, 329.213



12, 42.117, 329.093

Previews

White Background



This preview shows how the CIE LCh color 89, 48.190, 200.243 looks on a white background.

Color Contrast Check

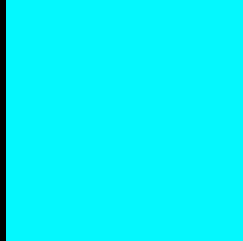
Large Text (above 18pt) WCAG AA × Fail

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, 48.190, 200.243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

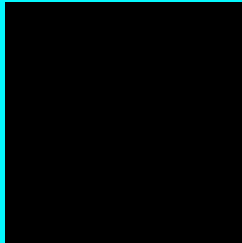
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 48.190, 200.243

Background



This preview shows how black text looks on a background with the CIELCh color 89, 48.190, 200.243.

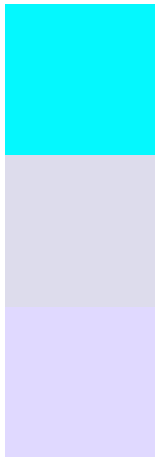


This preview shows how white text looks on a background with the CIELCh color 89, 48.190, 200.243.

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](#).

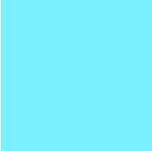
Dichromacy



Original Color
89, 48.231, 200.237

Protanopia
88, 8.372, 293.257

Deuteranopia
88, 20.049, 298.538



Tritanopia
89, 33.562, 211.019

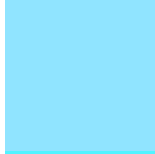
Trichromacy



Original Color
89, 48.231, 200.237



Protanomaly
86, 27.383, 211.121



Deuteranomaly
86, 28.157, 228.447

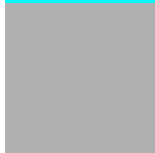


Tritanomaly
88, 41.631, 205.636

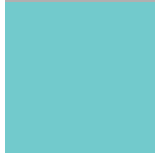
Monochromacy



Original Color
89, 48.231, 200.237



Achromatopsia
72, 0.009, 296.813



Achromatomaly
76, 27.512, 199.680

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 48.190, 200.243 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(4, 248, 254)` looks like.

```
.text, #text, p{  
    color:rgb(4, 248, 254)  
}
```

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(4, 248, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 248, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 48.190, 200.243 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(4, 248, 254) }
```

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

```
.border{ border-color:rgb(4, 248, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 248, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 248, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 248, 254);  
box-shadow:4px 4px 4px 4px rgb(4, 248,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 48.190, 200.243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 248, 254) }
```

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

```
.background{ background-color: rgb(4, 248,  
254) }
```

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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