

Converting Colors

CIELCh(88, 50.103, 190.705)

Have a look what the booklet for
CIELCh(88, 50.103, 190.705)
contains.

CIELCh(88, 50.077, 190.823)	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(88, 50.077, 190.823)

Conversions

Conversions Part 1

Format	Color
Hex	08F6ED
RGB	8, 246, 237
RGB Percent	3%, 96%, 93%
CMY	0.9689, 0.0353, 0.0706
CMYK	0.97, 0.00, 0.04, 0.04
HSL	178°, 94%, 50%
HSV	178°, 97%, 96%
XYZ	48.3326, 72.0653, 91.4702
YIQ	173.8120, -138.9590, -53.2550

Conversions

Conversions Part 2

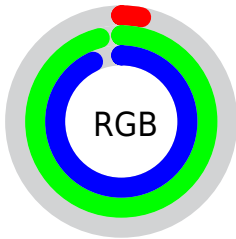
Format	Color
RYB	8, 129, 246
Decimal	587501
CIELab	88.00, -49.19, -9.40
CIELCh	88, 50.077, 190.823
Yxy	72.0653, 0.2281, 0.3401
Android (android.graphics.Color)	4278777581 (0xFF08F6ED)
YUV	173.8120, 31.1517, -145.4171
Hunter-Lab	84.8913, -46.9314, -4.4610

Details

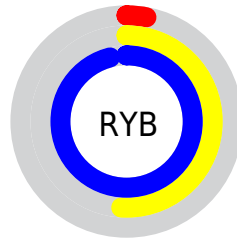
The CIELCh color **88, 50.077, 190.823** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **52, 98.631, 38.199**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.681, 197.050**, and **69, 41.418, 190.089** is the 20% darker color. If you saturate the color by 10%, you get **88, 50.304, 190.651**, and if you desaturate by 10%, it is **88, 49.026, 191.348**.

Distribution



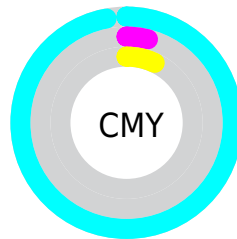
- Red (3%)
- Green (96%)
- Blue (93%)



- Red (3%)
- Yellow (51%)
- Blue (96%)



- Cyan (97%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)





- Cyan (97%)
- Magenta (4%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 50.077, 190.823 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 88, 50.077, 190.823 by changing the saturation by 10% instead.


 88, 50.077,
190.823

 88, 50.077,
190.823


 100, 50.077,
190.823


 78, 50.077,
190.823

 68, 50.077,
190.823

 58, 50.077,
190.823

 48, 50.077,
190.823

 38, 50.077,
190.823

 28, 50.077,
190.823

 18, 50.077,

190.823

■ 8, 50.077, 190.823

■ 0, 50.077, 190.823

■ 88, 50.077,
190.823

■ 88, 50.077,
190.823

■ 88, 50.304,
190.651

■ 88, 49.026,
191.348

■ 88, 47.036,
191.861

■ 89, 43.991,
192.374

■ 90, 39.864,
192.898

■ 90, 34.693,

193.441

■ 91, 28.568,
194.008

■ 93, 21.614,
194.603

■ 94, 13.972,
195.232

■ 96, 5.785, 195.931

Harmonies

Complementary

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



88, 50.077, 190.823



52, 98.631, 38.199

Rectangle

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



88, 50.077, 190.823



88, 50.077, 240.823



88, 50.077, 10.823



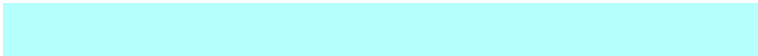
88, 50.077, 60.823

Sweetspot

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



88, 50.076, 190.822



95, 23.908, 194.465



85, 115.609, 135.931



50, 16.141, 194.210



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 50.076, 190.822



91, 51.698, 190.640



57, 62.572, 278.104



50, 4.803, 195.726



68, 40.783, 190.745



22, 18.052, 191.471

Inverse Universe

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



52, 98.631, 38.199



53, 103.127, 38.976



63, 83.499, 56.778



48, 5.081, 16.880



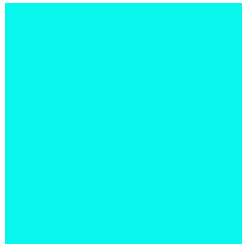
39, 80.899, 38.501



8, 30.785, 23.496

Previews

White Background



This preview shows how the CIE LCh color 88, 50.077, 190.823 looks on a white background.

Color Contrast Check

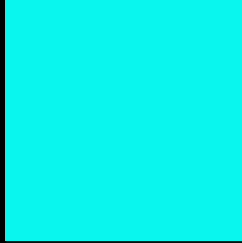
Large Text (above 18pt) WCAG AA × Fail

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 88, 50.077, 190.823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

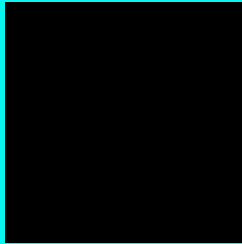
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

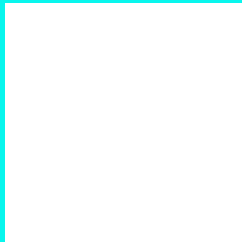
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 50.077, 190.823

Background



This preview shows how black text looks on a background with the CIELCh color 88, 50.077, 190.823.

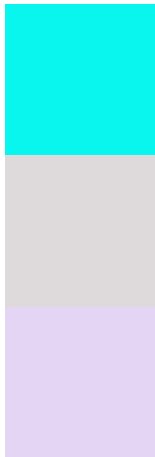


This preview shows how white text looks on a background with the CIELCh color 88, 50.077, 190.823.

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](#).

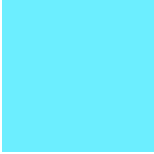
Dichromacy



Original Color
88, 50.077, 190.823

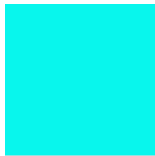
Protanopia
87, 1.794, 343.553

Deuteranopia
87, 17.123, 309.087



Tritanopia
88, 36.419, 211.517

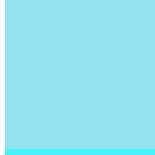
Trichromacy



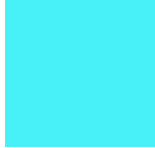
Original Color
88, 50.077, 190.823



Protanomaly
85, 26.798, 195.344



Deuteranomaly
85, 24.962, 217.794

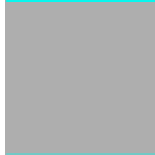


Tritanomaly
88, 42.740, 201.725

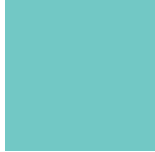
Monochromacy



Original Color
88, 50.077, 190.823



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 27.499, 193.967

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 50.077, 190.823 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(8, 246, 237)` looks like.

```
.text, #text, p{  
    color:rgb(8, 246, 237)  
}
```

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(8, 246, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 246, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 50.077, 190.823 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(8, 246, 237) }
```

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

```
.border{ border-color:rgb(8, 246, 237) }
```

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

Here you see how a box with a 4 pixel rgb(8, 246, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 246, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 246, 237);  
box-shadow:4px 4px 4px 4px rgb(8, 246,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 50.077, 190.823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 246, 237) }
```

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

```
.background{ background-color: rgb(8, 246,  
237) }
```

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