

Converting Colors

CIELCh(89, 63.645, 168.775)

Have a look what the booklet for
CIELCh(89, 63.645, 168.775)
contains.

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Color

CIELCh(89, 63.533, 168.714)

Conversions

Conversions Part 1

Format	Color
Hex	00FDC6
RGB	0, 253, 198
RGB Percent	0%, 99%, 78%
CMY	1.0000, 0.0087, 0.2244
CMYK	1.00, 0.00, 0.22, 0.01
HSL	167°, 100%, 50%
HSV	167°, 100%, 99%
XYZ	45.2026, 74.1641, 65.2301
YIQ	171.0830, -133.1330, -70.7410

Conversions

Conversions Part 2

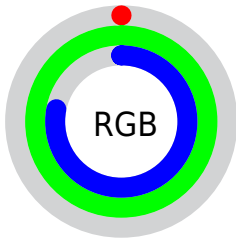
Format	Color
RYB	0, 142, 253
Decimal	64966
CIELab	89.00, -62.30, 12.43
CIELCh	89, 63.533, 168.714
Yxy	74.1641, 0.2449, 0.4018
Android (android.graphics.Color)	4278255046 (0xFF00FDC6)
YUV	171.0830, 13.2701, -150.0398
Hunter-Lab	86.1186, -57.0151, 15.3741

Details

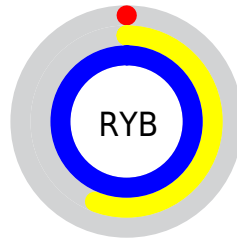
The CIELCh color **89, 63.533, 168.714** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **53, 92.173, 29.273**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.257, 197.016**, and **70, 55.041, 164.973** is the 20% darker color. If you saturate the color by 10%, you get **89, 63.501, 168.701**, and if you desaturate by 10%, it is **89, 61.028, 170.637**.

Distribution



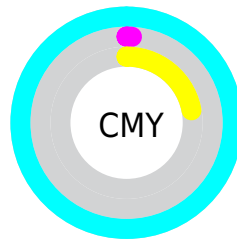
- Red (0%)
- Green (99%)
- Blue (78%)



- Red (0%)
- Yellow (56%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (1%)





- Cyan (100%)
- Magenta (1%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 63.533, 168.714 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, 63.533, 168.714 by changing the saturation by 10% instead.


 89, 63.533,
168.714


 89, 63.533,
168.714

 100, 63.533,
168.714

 79, 63.533,
168.714

 69, 63.533,
168.714

 59, 63.533,
168.714

 49, 63.533,
168.714

 39, 63.533,
168.714

 29, 63.533,
168.714

 19, 63.533,


168.714


 9, 63.533, 168.714


 0, 63.533, 168.714


 89, 63.533,
168.714

 89, 63.533,
168.714

 89, 63.501,
168.701

 89, 61.028,
170.637

 90, 57.740,
172.420

 90, 53.442,
174.024

 91, 48.105,
175.465

 92, 41.779,

176.768

■ 93, 34.576,
177.958

■ 94, 26.639,
179.057

■ 96, 18.128,
180.086

■ 97, 9.199, 181.077

Harmonies

Complementary

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



89, 63.533, 168.714



53, 92.173, 29.273

Rectangle

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



89, 63.533, 168.714



89, 63.533, 218.714



89, 63.533, 348.714



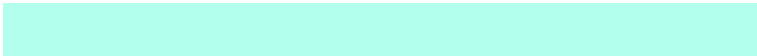
89, 63.533, 38.714

Sweetspot

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



89, 63.501, 168.701



95, 26.828, 179.055



88, 116.472, 134.423



50, 18.111, 178.601



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, 63.501, 168.701



90, 63.932, 168.691



71, 46.680, 250.680



52, 5.271, 181.126



69, 51.245, 169.057



23, 22.799, 171.680

Inverse Universe

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



53, 92.173, 29.273



54, 92.809, 29.300



57, 96.245, 45.347



50, 5.464, 2.765



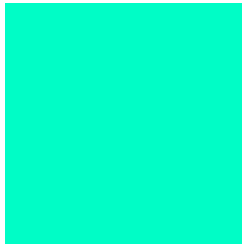
40, 74.097, 28.254



10, 31.882, 17.827

Previews

White Background



This preview shows how the CIE LCh color 89, 63.533, 168.714 looks on a white background.

Color Contrast Check

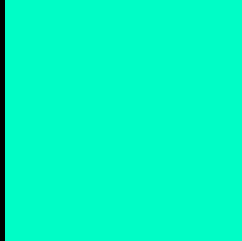
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 89, 63.533, 168.714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

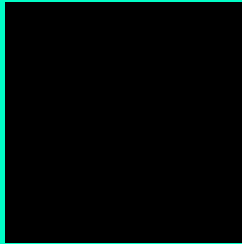
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

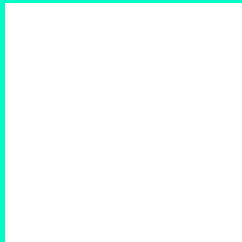
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 63.533, 168.714

Background



This preview shows how black text looks on a background with the CIELCh color 89, 63.533, 168.714.

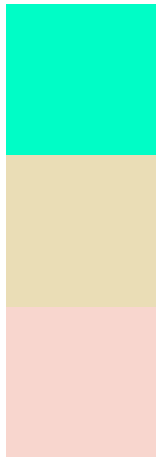


This preview shows how white text looks on a background with the CIELCh color 89, 63.533, 168.714.

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](#).

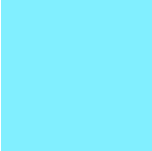
Dichromacy



Original Color
89, 63.533, 168.714

Protanopia
88, 20.842, 94.534

Deuteranopia
88, 13.451, 38.151

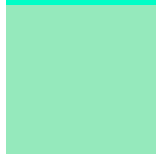


Tritanopia
89, 32.545, 212.487

Trichromacy



Original Color
89, 63.533, 168.714



Protanomaly
86, 37.723, 158.349



Deuteranomaly
86, 27.598, 169.072



Tritanomaly
88, 44.228, 189.748

Monochromacy



Original Color
89, 63.533, 168.714



Achromatopsia
70, 0.009, 296.813



Achromatomaly
75, 32.304, 177.368

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 63.533, 168.714 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(0, 253, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 253, 198)  
}
```

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(0, 253, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 253, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 63.533, 168.714 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(0, 253, 198) }
```

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

```
.border{ border-color:rgb(0, 253, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 253, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 253, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 253, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 253,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 63.533, 168.714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 253, 198) }
```

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

```
.background{ background-color: rgb(0, 253,  
198) }
```

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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