

Converting Colors

CIELCh(89, 63.248, 168.790)

Have a look what the booklet for
CIELCh(89, 63.248, 168.790)
contains.

CIELCh(89, 63.404, 168.664)	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, 63.404, 168.664)

Conversions

Conversions Part 1

Format	Color
Hex	04FDC6
RGB	4, 253, 198
RGB Percent	2%, 99%, 78%
CMY	0.9837, 0.0089, 0.2246
CMYK	0.98, 0.00, 0.22, 0.01
HSL	167°, 98%, 50%
HSV	167°, 98%, 99%
XYZ	45.2503, 74.1641, 65.1964
YIQ	172.2790, -130.7490, -69.8930

Conversions

Conversions Part 2

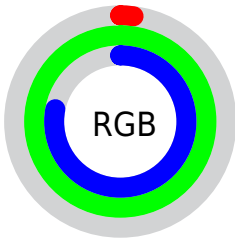
Format	Color
RYB	4, 144, 253
Decimal	327110
CIELab	89.00, -62.17, 12.46
CIELCh	89, 63.404, 168.664
Yxy	74.1641, 0.2451, 0.4017
Android (android.graphics.Color)	4278517190 (0xFF04FDC6)
YUV	172.2790, 12.6805, -147.5807
Hunter-Lab	86.1186, -56.9162, 15.3973

Details

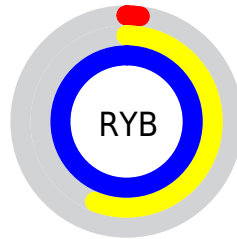
The CIELCh color **89, 63.404, 168.664** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **53, 90.964, 28.119**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.067, 197.028**, and **70, 55.041, 164.973** is the 20% darker color. If you saturate the color by 10%, you get **89, 63.796, 168.343**, and if you desaturate by 10%, it is **89, 60.802, 170.602**.

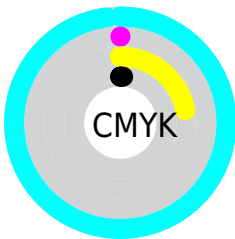
Distribution



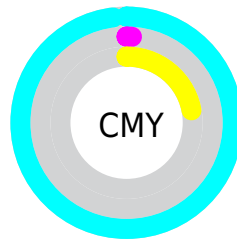
- Red (2%)
- Green (99%)
- Blue (78%)



- Red (2%)
- Yellow (56%)
- Blue (99%)



- Cyan (98%)
- Magenta (0%)
- Yellow (22%)
- Black (1%)



- Cyan (98%)
- Magenta (1%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 63.404, 168.664 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, 63.404, 168.664 by changing the saturation by 10% instead.

 89, 63.404,
168.664

 89, 63.404,
168.664

 100, 63.404,
168.664

 79, 63.404,
168.664

 69, 63.404,
168.664

 59, 63.404,
168.664

 49, 63.404,
168.664

 39, 63.404,
168.664


 29, 63.404,
168.664

 19, 63.404,

168.664


 9, 63.404, 168.664


 0, 63.404, 168.664


 89, 63.404,
168.664


 89, 63.404,
168.664

 89, 63.796,
168.343

 89, 60.802,
170.602

 90, 57.316,
172.369

 90, 52.810,
173.956

 91, 47.270,
175.383

 92, 40.759,

176.675

■ 93, 33.395,
177.855

■ 94, 25.327,
178.946

■ 96, 16.715,
179.970

■ 98, 7.713, 180.965

Harmonies

Complementary

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



89, 63.404, 168.664



53, 90.964, 28.119

Rectangle

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



89, 63.404, 168.664



89, 63.404, 218.664



89, 63.404, 348.664



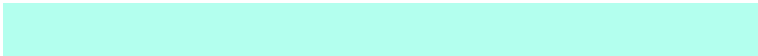
89, 63.404, 38.664

Sweetspot

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



89, 63.404, 168.663



95, 26.889, 178.770



88, 115.931, 134.339



50, 18.155, 178.314



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, 63.404, 168.663



90, 64.240, 168.333



71, 46.337, 249.886



52, 5.280, 180.848



69, 51.487, 168.701



23, 22.893, 171.346

Inverse Universe

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



53, 90.964, 28.119



54, 92.583, 29.016



57, 95.056, 45.477



50, 5.472, 2.491



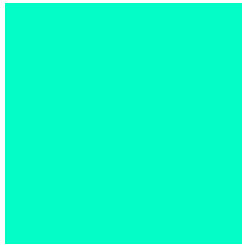
40, 73.924, 27.965



10, 31.860, 17.629

Previews

White Background



This preview shows how the CIE LCh color 89, 63.404, 168.664 looks on a white background.

Color Contrast Check

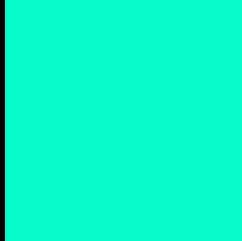
Large Text (above 18pt) WCAG AA × Fail

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, 63.404, 168.664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

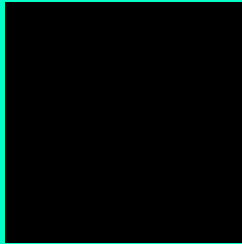
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

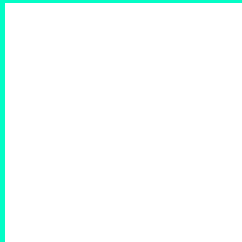
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 63.404, 168.664

Background



This preview shows how black text looks on a background with the CIELCh color 89, 63.404, 168.664.

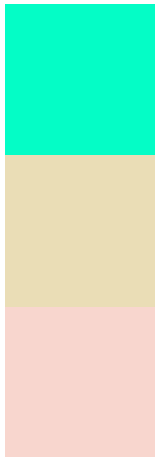


This preview shows how white text looks on a background with the CIELCh color 89, 63.404, 168.664.

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, 63.447, 168.681

Protanopia

88, 20.842, 94.534

Deuteranopia

88, 13.451, 38.151

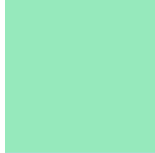


Tritanopia
89, 32.754, 212.377

Trichromacy



Original Color
89, 63.447, 168.681



Protanomaly
86, 37.485, 158.084



Deuteranomaly
86, 27.327, 168.790

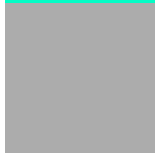


Tritanomaly
88, 44.084, 189.735

Monochromacy



Original Color
89, 63.447, 168.681



Achromatopsia
70, 0.009, 296.813



Achromatomaly
75, 31.818, 177.099

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 63.404, 168.664 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, 253, 198)` looks like.

```
.text, #text, p{  
    color:rgb(4, 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(4, 253, 198) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 89, 63.404, 168.664 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, 253, 198) }
```

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

```
.border{ border-color:rgb(4, 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(4, 253, 198)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 89, 63.404, 168.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 253, 198) }
```

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

```
.background{ background-color: rgb(4, 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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