

Converting Colors

CIELCh(89, 65.256, 166.892)

Have a look what the booklet for
CIELCh(89, 65.256, 166.892)
contains.

CIELCh(89, 65.196, 166.825)	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, 65.196, 166.825)

Conversions

Conversions Part 1

Format	Color
Hex	01FDC1
RGB	1, 253, 193
RGB Percent	0%, 99%, 76%
CMY	0.9976, 0.0075, 0.2428
CMYK	1.00, 0.00, 0.24, 0.01
HSL	166°, 100%, 50%
HSV	166°, 100%, 99%
XYZ	44.7954, 74.1641, 62.4546
YIQ	170.8120, -130.9320, -72.0840

Conversions

Conversions Part 2

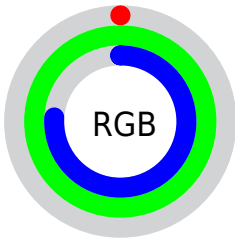
Format	Color
RYB	1, 144, 253
Decimal	130497
CIELab	89.00, -63.48, 14.86
CIELCh	89, 65.196, 166.825
Yxy	74.1641, 0.2469, 0.4088
Android (android.graphics.Color)	4278320577 (0xFF01FDC1)
YUV	170.8120, 10.9387, -148.9251
Hunter-Lab	86.1186, -57.8592, 17.2850

Details

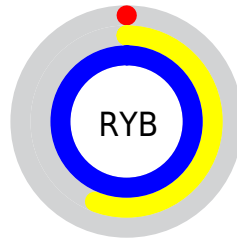
The CIELCh color **89, 65.196, 166.825** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **53, 90.915, 27.554**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.870, 193.205**, and **70, 56.874, 162.803** is the 20% darker color. If you saturate the color by 10%, you get **89, 65.259, 166.775**, and if you desaturate by 10%, it is **89, 62.490, 168.835**.

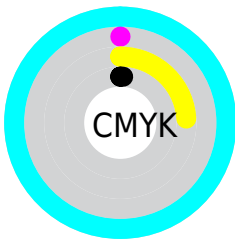
Distribution



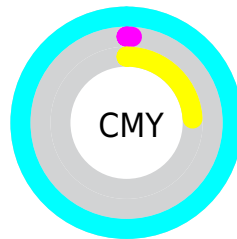
- Red (0%)
- Green (99%)
- Blue (76%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (1%)





- Cyan (100%)
- Magenta (1%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 65.196, 166.825 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, 65.196, 166.825 by changing the saturation by 10% instead.


 89, 65.196,
166.825


 89, 65.196,
166.825


 100, 65.196,
166.825


 79, 65.196,
166.825

 69, 65.196,
166.825

 59, 65.196,
166.825

 49, 65.196,
166.825


 39, 65.196,
166.825


 29, 65.196,
166.825


 19, 65.196,


166.825


 9, 65.196, 166.825


 0, 65.196, 166.825


 89, 65.196,
166.825


 89, 65.196,
166.825

 89, 65.259,
166.775

 89, 62.490,
168.835

 90, 58.962,
170.687

 90, 54.427,
172.350

 91, 48.860,
173.842

 92, 42.318,

175.187

■ 93, 34.916,
176.411

■ 94, 26.801,
177.536

■ 96, 18.136,
178.584

■ 97, 9.076, 179.590

Harmonies

Complementary

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



89, 65.196, 166.825



53, 90.915, 27.554

Rectangle

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



89, 65.196, 166.825



89, 65.196, 216.825



89, 65.196, 346.825



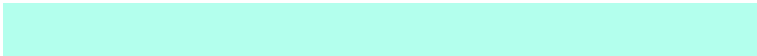
89, 65.196, 36.825

Sweetspot

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



89, 65.196, 166.824



95, 27.173, 177.508



88, 116.160, 134.180



50, 18.355, 177.043



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

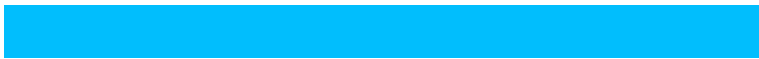
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 65.196, 166.824



90, 65.640, 166.766



72, 45.700, 247.132



52, 5.324, 179.614



69, 52.589, 167.147



23, 23.322, 169.883

Inverse Universe

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



53, 90.915, 27.554



54, 91.593, 27.709



57, 96.951, 44.708



50, 5.508, 1.272



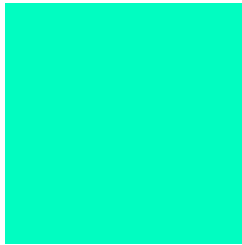
40, 73.166, 26.642



10, 31.767, 16.711

Previews

White Background



This preview shows how the CIE LCh color 89, 65.196, 166.825 looks on a white background.

Color Contrast Check

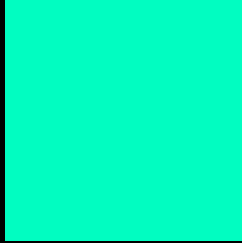
Large Text (above 18pt) WCAG AA × Fail

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, 65.196, 166.825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

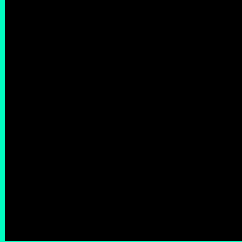
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 65.196, 166.825

Background



This preview shows how black text looks on a background with the CIELCh color 89, 65.196, 166.825.

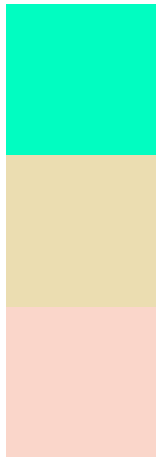


This preview shows how white text looks on a background with the CIELCh color 89, 65.196, 166.825.

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

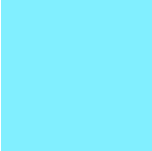
89, 65.174, 166.816

Protanopia

88, 23.451, 94.817

Deuteranopia

88, 15.032, 44.627

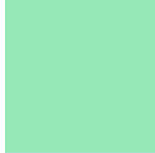


Tritanopia
89, 32.545, 212.487

Trichromacy



Original Color
89, 65.174, 166.816



Protanomaly
86, 39.340, 155.285



Deuteranomaly
85, 28.564, 165.235

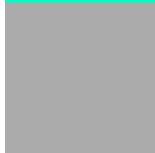


Tritanomaly
88, 44.596, 188.413

Monochromacy



Original Color
89, 65.174, 166.816



Achromatopsia
70, 0.009, 296.813



Achromatomaly
75, 32.834, 175.651

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 65.196, 166.825 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(1, 253, 193)` looks like.

```
.text, #text, p{  
    color:rgb(1, 253, 193)  
}
```

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(1, 253, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 253, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 65.196, 166.825 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(1, 253, 193) }
```

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

```
.border{ border-color:rgb(1, 253, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 253, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 253, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 253, 193);  
box-shadow:4px 4px 4px 4px rgb(1, 253,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 65.196, 166.825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 253, 193) }
```

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

```
.background{ background-color: rgb(1, 253,  
193) }
```

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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