

Converting Colors

CIELCh(83, 113.804, 185.684)

Have a look what the booklet for
CIELCh(83, 113.804, 185.684)
contains.

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Color

CIElCh(89, 55.128, 181.108)

Conversions

Conversions Part 1

Format	Color
Hex	00FBEE
RGB	0, 251, 224
RGB Percent	0%, 98%, 88%
CMY	1.0000, 0.0166, 0.1223
CMYK	1.00, 0.00, 0.11, 0.02
HSL	174°, 100%, 49%
HSV	174°, 100%, 98%
XYZ	47.7460, 74.1641, 82.1871
YIQ	172.8730, -140.9290, -61.6090

Conversions

Conversions Part 2

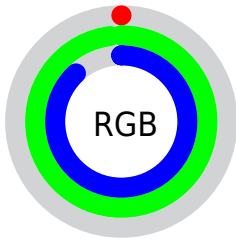
Format	Color
RYB	0, 133, 251
Decimal	64480
CIELab	89.00, -55.12, -1.07
CIELCh	89, 55.128, 181.108
Yxy	74.1641, 0.2339, 0.3634
Android (android.graphics.Color)	4278254560 (0xFF00FBE0)
YUV	172.8730, 25.2056, -151.6096
Hunter-Lab	86.1186, -51.7434, 3.6998

Details

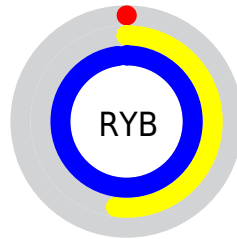
The CIELCh color **89, 55.128, 181.108** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **52, 98.461, 36.313**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.067, 197.028**, and **70, 45.931, 179.196** is the 20% darker color. If you saturate the color by 10%, you get **89, 54.944, 181.068**, and if you desaturate by 10%, it is **89, 53.574, 182.322**.

Distribution



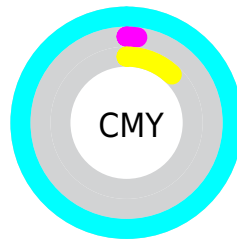
- Red (0%)
- Green (98%)
- Blue (88%)



- Red (0%)
- Yellow (52%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 55.128, 181.108 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, 55.128, 181.108 by changing the saturation by 10% instead.


 89, 55.128,
181.108


 89, 55.128,
181.108


 100, 55.128,
181.108


 79, 55.128,
181.108

 69, 55.128,
181.108

 59, 55.128,
181.108

 49, 55.128,
181.108

 39, 55.128,
181.108

 29, 55.128,
181.108

 19, 55.128,

181.108

■ 9, 55.128, 181.108

■ 0, 55.128, 181.108

■ 89, 55.128,
181.108

■ 89, 55.128,
181.108

■ 89, 54.944,
181.068

■ 89, 53.574,
182.322

■ 89, 51.369,
183.479

■ 90, 48.126,
184.538

■ 91, 43.803,
185.517

■ 91, 38.431,

186.436

■ 92, 32.103,
187.311

■ 94, 24.947,
188.157

■ 95, 17.112,
188.987

■ 97, 8.747, 189.824

Harmonies

Complementary

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



89, 55.128, 181.108



52, 98.461, 36.313

Rectangle

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



89, 55.128, 181.108



89, 55.128, 231.108



89, 55.128, 1.108



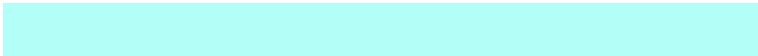
89, 55.128, 51.108

Sweetspot

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



89, 54.944, 181.068



95, 25.286, 188.155



87, 117.521, 135.554



50, 17.010, 187.801



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, 54.944, 181.068



90, 55.651, 181.056



62, 57.087, 271.026



51, 4.963, 189.868



69, 44.278, 181.303



22, 19.730, 183.033

Inverse Universe

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



52, 98.461, 36.313



53, 99.764, 36.351



61, 89.757, 51.335



49, 5.209, 11.283



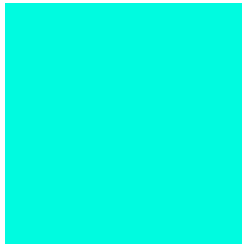
39, 78.785, 35.523



9, 31.475, 21.775

Previews

White Background



This preview shows how the CIE LCh color 89, 55.128, 181.108 looks on a white background.

Color Contrast Check

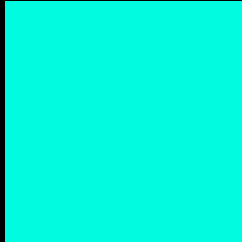
Large Text (above 18pt) WCAG AA × Fail

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, 55.128, 181.108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

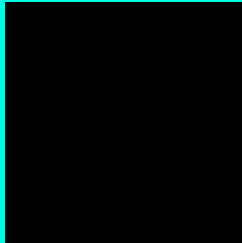
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 55.128, 181.108

Background



This preview shows how black text looks on a background with the CIELCh color 89, 55.128, 181.108.



This preview shows how white text looks on a background with the CIELCh color 89, 55.128, 181.108.

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](#).

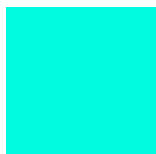
Dichromacy



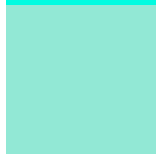


Tritanopia
89, 32.961, 212.270

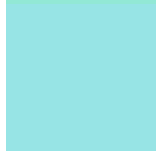
Trichromacy



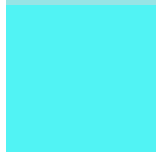
Original Color
89, 54.988, 181.056



Protanomaly
86, 30.231, 178.040

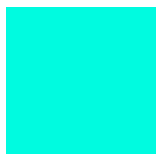


Deuteranomaly
86, 24.661, 198.998



Tritanomaly
88, 42.547, 197.448

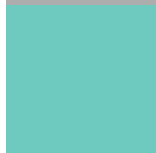
Monochromacy



Original Color
89, 54.988, 181.056



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 29.824, 186.684

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 55.128, 181.108 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, 251, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 251, 224)  
}
```

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, 251, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 251, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 55.128, 181.108 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, 251, 224) }
```

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

```
.border{ border-color:rgb(0, 251, 224) }
```

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

Here you see how a box with a 4 pixel rgb(0, 251, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 251, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 251, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 251,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 55.128, 181.108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 251, 224) }
```

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

```
.background{ background-color: rgb(0, 251,  
224) }
```

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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