

Converting Colors

CIELCh(89, 55.507, 180.049)

Have a look what the booklet for
CIELCh(89, 55.507, 180.049)
contains.

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Color

CIELCh(89, 55.507, 180.049)

Conversions

Conversions Part 1

Format	Color
Hex	00FBDE
RGB	0, 251, 222
RGB Percent	0%, 98%, 87%
CMY	1.0000, 0.0162, 0.1299
CMYK	1.00, 0.00, 0.12, 0.02
HSL	173°, 100%, 49%
HSV	173°, 100%, 98%
XYZ	47.6058, 74.1641, 80.8157
YIQ	172.6450, -140.2870, -62.2310

Conversions

Conversions Part 2

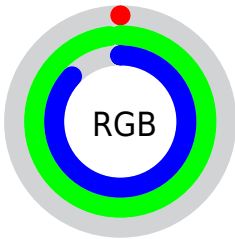
Format	Color
RYB	0, 133, 251
Decimal	64478
CIELab	89.00, -55.51, -0.05
CIELCh	89, 55.507, 180.049
Yxy	74.1641, 0.2350, 0.3661
Android (android.graphics.Color)	4278254558 (0xFF00FBDE)
YUV	172.6450, 24.3320, -151.4097
Hunter-Lab	86.1186, -52.0339, 4.6439

Details

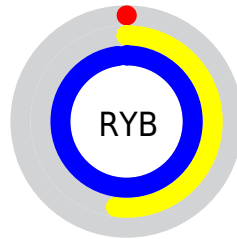
The CIELCh color **89, 55.507, 180.049** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **52, 98.013, 35.904**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.067, 197.028**, and **70, 46.504, 177.953** is the 20% darker color. If you saturate the color by 10%, you get **89, 55.487, 180.043**, and if you desaturate by 10%, it is **89, 54.045, 181.365**.

Distribution



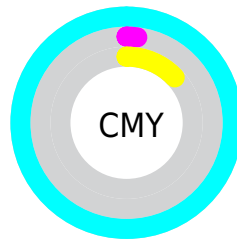
- Red (0%)
- Green (98%)
- Blue (87%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 55.507, 180.049 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, 55.507, 180.049 by changing the saturation by 10% instead.

 89, 55.507,
180.049

 89, 55.507,
180.049


 100, 55.507,
180.049


 79, 55.507,
180.049

 69, 55.507,
180.049

 59, 55.507,
180.049

 49, 55.507,
180.049

 39, 55.507,
180.049

 29, 55.507,
180.049

 19, 55.507,

180.049

■ 9, 55.507, 180.049

■ 0, 55.507, 180.049

■ 89, 55.507,
180.049

■ 89, 55.507,
180.049

■ 89, 55.487,
180.043

■ 89, 54.045,
181.365

■ 89, 51.769,
182.584

■ 90, 48.458,
183.696

■ 91, 44.068,
184.720

■ 91, 38.635,

185.675

■ 92, 32.251,
186.581

■ 94, 25.046,
187.452

■ 95, 17.169,
188.302

■ 97, 8.772, 189.155

Harmonies

Complementary

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



89, 55.507, 180.049



52, 98.013, 35.904

Rectangle

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



89, 55.507, 180.049



89, 55.507, 230.049



89, 55.507, 0.049



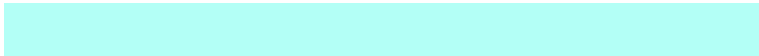
89, 55.507, 50.049

Sweetspot

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



89, 55.487, 180.043



95, 25.378, 187.450



87, 117.553, 135.554



50, 17.077, 187.086



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, 55.487, 180.043



90, 56.186, 180.031



62, 57.104, 271.027



51, 4.975, 189.200



69, 44.694, 180.292



22, 19.887, 182.122

Inverse Universe

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



52, 98.013, 35.904



53, 99.283, 35.943



61, 89.782, 51.334



49, 5.217, 10.639



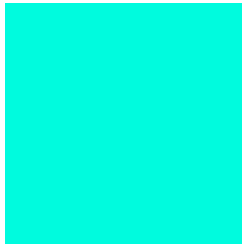
39, 78.391, 35.085



9, 31.428, 21.438

Previews

White Background



This preview shows how the CIE LCh color 89, 55.507, 180.049 looks on a white background.

Color Contrast Check

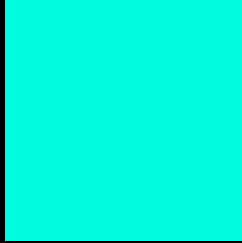
Large Text (above 18pt) WCAG AA × Fail

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, 55.507, 180.049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

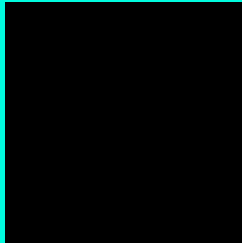
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 55.507, 180.049

Background



This preview shows how black text looks on a background with the CIELCh color 89, 55.507, 180.049.

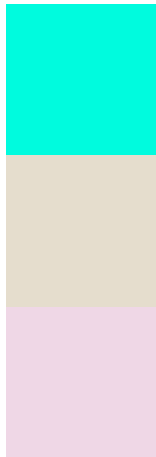


This preview shows how white text looks on a background with the CIELCh color 89, 55.507, 180.049.

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, 55.507, 180.049

Protanopia

88, 8.813, 89.788

Deuteranopia

88, 11.667, 338.197

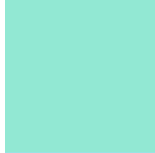


Tritanopia
89, 32.961, 212.270

Trichromacy



Original Color
89, 55.507, 180.049



Protanomaly
86, 30.719, 176.245



Deuteranomaly
86, 24.531, 196.530

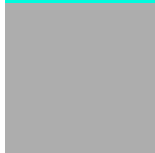


Tritanomaly
88, 42.667, 196.724

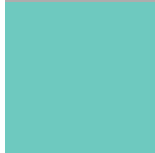
Monochromacy



Original Color
89, 55.507, 180.049



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, 55.507, 180.049 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 251, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 251, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 55.507, 180.049 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, 222) }
```

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

```
.border{ border-color:rgb(0, 251, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 251, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 251, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 251,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 55.507, 180.049 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, 222) }
```

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

```
.background{ background-color: rgb(0, 251,  
222) }
```

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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