

Converting Colors

CIELCh(89, 73.575, 158.504)

Have a look what the booklet for
CIELCh(89, 73.575, 158.504)
contains.

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Color

CIELCh(89, 73.544, 158.448)

Conversions

Conversions Part 1

Format	Color
Hex	18FEA9
RGB	24, 254, 169
RGB Percent	9%, 100%, 66%
CMY	0.9051, 0.0026, 0.3361
CMYK	0.90, 0.00, 0.33, 0.00
HSL	158°, 99%, 55%
HSV	158°, 90%, 100%
XYZ	43.1168, 74.1641, 49.7265
YIQ	175.5400, -109.7950, -75.1950

Conversions

Conversions Part 2

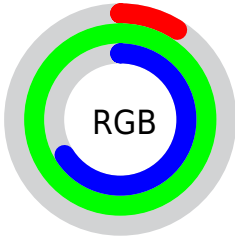
Format	Color
RYB	24, 165, 254
Decimal	1638057
CIELab	89.00, -68.40, 27.02
CIELCh	89, 73.544, 158.448
Yxy	74.1641, 0.2582, 0.4441
Android (android.graphics.Color)	4279828137 (0xFF18FEA9)
YUV	175.5400, -3.2242, -132.9006
Hunter-Lab	86.1186, -61.3384, 26.0478

Details

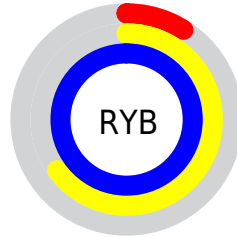
The CIELCh color **89, 73.544, 158.448** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **55, 82.615, 10.783**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 44.210, 176.012**, and **70, 66.188, 154.165** is the 20% darker color. If you saturate the color by 10%, you get **89, 77.466, 156.277**, and if you desaturate by 10%, it is **89, 68.641, 160.577**.

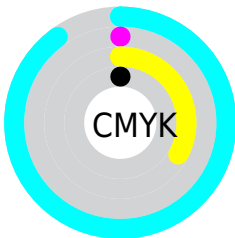
Distribution



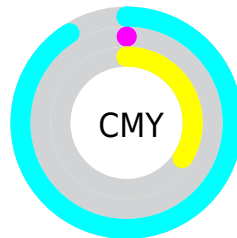
- Red (9%)
- Green (100%)
- Blue (66%)



- Red (9%)
- Yellow (65%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)



- Cyan (91%)
- Magenta (0%)
- Yellow (34%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 73.544, 158.448 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, 73.544, 158.448 by changing the saturation by 10% instead.

 89, 73.544,
158.448

 89, 73.544,
158.448

 100, 73.544,
158.448

 79, 73.544,
158.448

 69, 73.544,
158.448

 59, 73.544,
158.448

 49, 73.544,
158.448

 39, 73.544,
158.448

 29, 73.544,
158.448

 19, 73.544,


158.448


 9, 73.544, 158.448

 0, 73.544, 158.448


 89, 73.544,
158.448


 89, 73.544,
158.448

 89, 77.466,
156.277

 89, 68.641,
160.577


 90, 62.750,
162.493


 91, 55.861,
164.200


 92, 48.049,
165.718


 93, 39.447,

167.071

 94, 30.221,
168.287

 96, 20.545,
169.391

 98, 10.584,
170.415

 100, 0.481,
172.414

Harmonies

Complementary

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



89, 73.544, 158.448



55, 82.615, 10.783

Rectangle

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



89, 73.544, 158.448



89, 73.544, 208.448



89, 73.544, 338.448



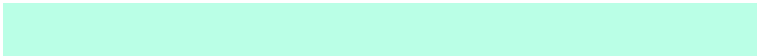
89, 73.544, 28.448

Sweetspot

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



89, 73.544, 158.448



95, 26.952, 168.682



89, 109.315, 130.742



50, 18.078, 168.294



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

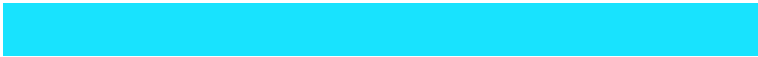
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 73.544, 158.448



89, 77.625, 156.273



83, 43.683, 216.052



52, 5.756, 170.514



69, 62.044, 156.704



23, 27.034, 159.863

Inverse Universe

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



55, 82.615, 10.783



54, 85.712, 15.809



56, 95.704, 40.275



50, 5.882, 352.163



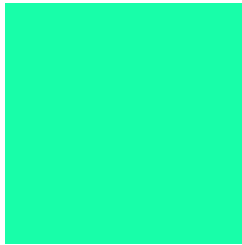
41, 68.810, 14.760



10, 31.285, 7.391

Previews

White Background



This preview shows how the CIE LCh color 89, 73.544, 158.448 looks on a white background.

Color Contrast Check

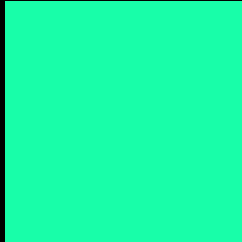
Large Text (above 18pt) WCAG AA × Fail

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, 73.544, 158.448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

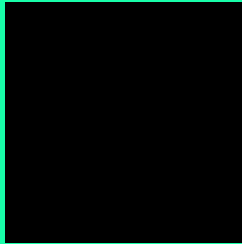
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

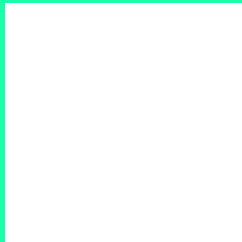
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 73.544, 158.448

Background



This preview shows how black text looks on a background with the CIELCh color 89, 73.544, 158.448.

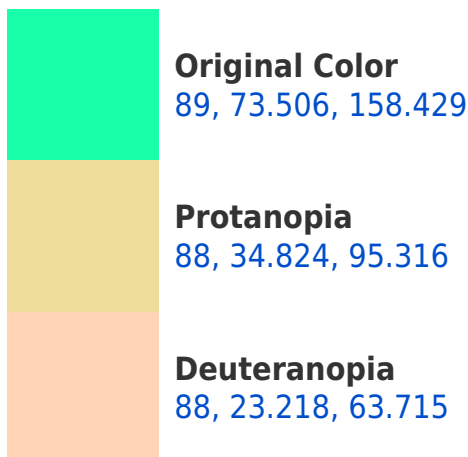


This preview shows how white text looks on a background with the CIELCh color 89, 73.544, 158.448.

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



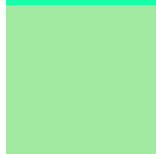


Tritanopia
89, 32.335, 212.598

Trichromacy



Original Color
89, 73.506, 158.429



Protanomaly
86, 46.274, 141.894



Deuteranomaly
86, 33.939, 145.689



Tritanomaly
88, 45.143, 182.371

Monochromacy



Original Color
89, 73.506, 158.429



Achromatopsia
72, 0.009, 296.813



Achromatomaly
76, 32.955, 167.625

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 73.544, 158.448 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(24, 254, 169)` looks like.

```
.text, #text, p{  
    color:rgb(24, 254, 169)  
}
```

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(24, 254, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 254, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 73.544, 158.448 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(24, 254, 169) }
```

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

```
.border{ border-color:rgb(24, 254, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 254, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 254, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 254, 169);  
box-shadow:4px 4px 4px 4px rgb(24, 254,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 73.544, 158.448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 254, 169) }
```

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

```
.background{ background-color: rgb(24, 254,  
169) }
```

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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