

Converting Colors

CIELCh(89, 84.833, 150.499)

Have a look what the booklet for
CIELCh(89, 84.833, 150.499)
contains.

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Color

CIELCh(89, 84.344, 150.700)

Conversions

Conversions Part 1

Format	Color
Hex	23FF8D
RGB	35, 255, 141
RGB Percent	14%, 100%, 55%
CMY	0.8643, 0.0000, 0.4488
CMYK	0.86, 0.00, 0.45, 0.00
HSL	149°, 100%, 57%
HSV	149°, 86%, 100%
XYZ	41.4054, 74.1641, 37.1535
YIQ	176.2240, -94.5260, -82.0940

Conversions

Conversions Part 2

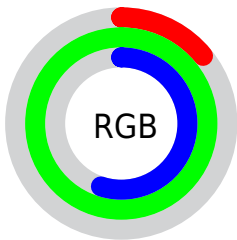
Format	Color
R_{YB}	35, 183, 255
Decimal	2359181
CIE Lab	89.00, -73.55, 41.28
CIE LCh	89, 84.344, 150.700
Yxy	74.1641, 0.2711, 0.4856
Android (android.graphics.Color)	4280549261 (0xFF23FF8D)
YUV	176.2240, -17.3654, -123.8534
Hunter-Lab	86.1186, -64.8855, 34.7040

Details

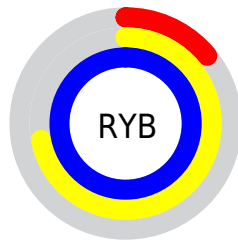
The CIELCh color **89, 84.344, 150.700** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **57, 82.981, 355.965**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 52.671, 160.894**, and **70, 77.111, 146.741** is the 20% darker color. If you saturate the color by 10%, you get **89, 89.848, 148.512**, and if you desaturate by 10%, it is **89, 77.250, 152.853**.

Distribution



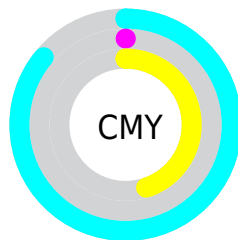
- Red (14%)
- Green (100%)
- Blue (55%)



- Red (14%)
- Yellow (72%)
- Blue (100%)



- Cyan (86%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)



- Cyan (86%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 84.344, 150.700 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, 84.344, 150.700 by changing the saturation by 10% instead.

 89, 84.344,
150.700

 89, 84.344,
150.700

 100, 84.344,
150.700

 79, 84.344,
150.700

 69, 84.344,
150.700

 59, 84.344,
150.700

 49, 84.344,
150.700

 39, 84.344,
150.700

 29, 84.344,
150.700

 19, 84.344,

150.700

 9, 84.344, 150.700


 0, 84.344, 150.700


 89, 84.344,
150.700


 89, 84.344,
150.700


 89, 89.848,
148.512

 89, 77.250,
152.853

 88, 91.752,
147.705


 90, 69.386,
154.718


 91, 60.530,
156.369

 92, 50.823,
157.821

 93, 40.446,

159.098

 95, 29.598,
160.226

 97, 18.467,
161.233

 99, 7.219, 162.164

100, 0.012,
296.813

Harmonies

Complementary

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



89, 84.344, 150.700



57, 82.981, 355.965

Rectangle

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



89, 84.344, 150.700



89, 84.344, 200.700



89, 84.344, 330.700



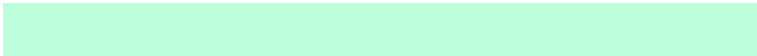
89, 84.344, 20.700

Sweetspot

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



89, 84.058, 150.774



95, 29.125, 160.271



91, 102.507, 125.751



50, 19.697, 159.898



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, 84.058, 150.774



88, 91.752, 147.705



91, 50.179, 191.947



52, 6.390, 161.879



68, 73.239, 148.135



23, 31.558, 151.357

Inverse Universe

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



57, 82.981, 355.965



55, 84.893, 1.071



55, 93.818, 34.846



50, 6.466, 343.369



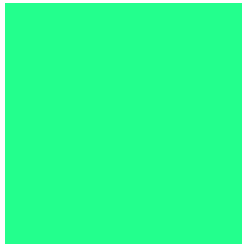
41, 68.492, 0.283



10, 32.064, 354.987

Previews

White Background



This preview shows how the CIE LCh color 89, 84.344, 150.700 looks on a white background.

Color Contrast Check

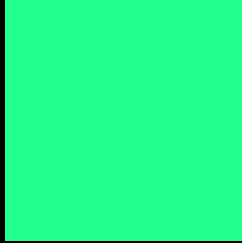
Large Text (above 18pt) WCAG AA × Fail

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, 84.344, 150.700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

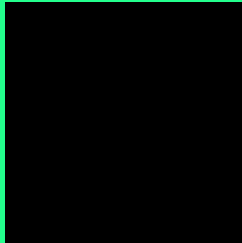
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 84.344, 150.700

Background



This preview shows how black text looks on a background with the CIELCh color 89, 84.344, 150.700.

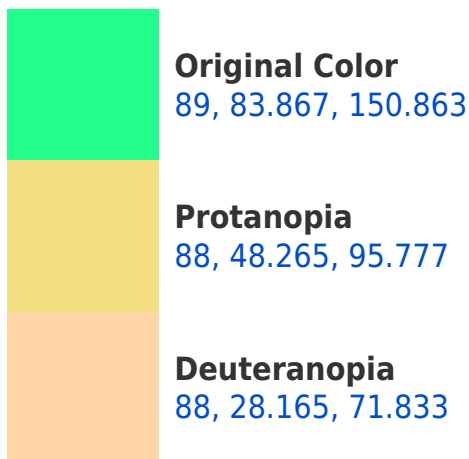


This preview shows how white text looks on a background with the CIELCh color 89, 84.344, 150.700.

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
88, 32.367, 213.571

Trichromacy



Original Color
89, 83.867, 150.863



Protanomaly
86, 56.879, 132.363



Deuteranomaly
86, 41.003, 136.299

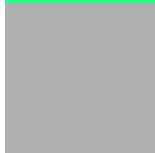


Tritanomaly
88, 46.982, 176.136

Monochromacy



Original Color
89, 83.867, 150.863



Achromatopsia
72, 0.009, 296.813



Achromatomaly
76, 36.372, 158.558

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 84.344, 150.700 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(35, 255, 141)` looks like.

```
.text, #text, p{  
    color:rgb(35, 255, 141)  
}
```

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(35, 255, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 255, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 84.344, 150.700 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(35, 255, 141) }
```

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

```
.border{ border-color:rgb(35, 255, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 255, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 255, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 255, 141);  
box-shadow:4px 4px 4px 4px rgb(35, 255,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 84.344, 150.700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 255, 141) }
```

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

```
.background{ background-color: rgb(35, 255,  
141) }
```

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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