

Converting Colors

CIELCh(94, 93.419, 149.568)

Have a look what the booklet for
CIELCh(94, 93.419, 149.568)
contains.

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Color

CIELCh(89, 84.974, 151.471)

Conversions

Conversions Part 1

Format	Color
Hex	07FF8E
RGB	7, 255, 142
RGB Percent	3%, 100%, 56%
CMY	0.9736, 0.0000, 0.4435
CMYK	0.97, 0.00, 0.44, 0.00
HSL	153°, 100%, 51%
HSV	153°, 97%, 100%
XYZ	41.0453, 74.1641, 37.7086
YIQ	167.9660, -111.5350, -87.7190

Conversions

Conversions Part 2

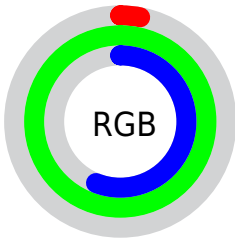
Format	Color
R_{YB}	7, 168, 255
Decimal	524174
CIE _{Lab}	89.00, -74.66, 40.58
CIE _{LCh}	89, 84.974, 151.471
Yxy	74.1641, 0.2684, 0.4850
Android (android.graphics.Color)	4278714254 (0xFF07FF8E)
YUV	167.9660, -12.8012, -141.1672
Hunter-Lab	86.1186, -65.6321, 34.3218

Details

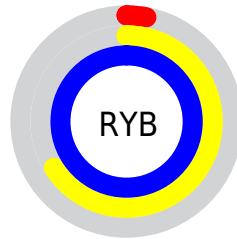
The CIELCh color **89, 84.974, 151.471** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **55, 84.012, 6.076**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 53.654, 162.193**, and **70, 76.735, 146.971** is the 20% darker color. If you saturate the color by 10%, you get **89, 85.773, 150.998**, and if you desaturate by 10%, it is **89, 79.334, 153.897**.

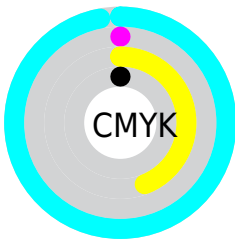
Distribution



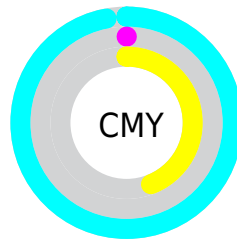
- Red (3%)
- Green (100%)
- Blue (56%)



- Red (3%)
- Yellow (66%)
- Blue (100%)



- Cyan (97%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)



- Cyan (97%)
- Magenta (0%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 84.974, 151.471 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, 84.974, 151.471 by changing the saturation by 10% instead.


 89, 84.974,
151.471

 89, 84.974,
151.471


 100, 84.974,
151.471


 79, 84.974,
151.471

 69, 84.974,
151.471

 59, 84.974,
151.471

 49, 84.974,
151.471

 39, 84.974,
151.471

 29, 84.974,
151.471

 19, 84.974,

151.471

■ 9, 84.974, 151.471

■ 0, 84.974, 151.471

■ 89, 84.974,
151.471

■ 89, 84.974,
151.471

■ 89, 85.773,
150.998

■ 89, 79.334,
153.897

■ 89, 73.227,
156.004

■ 90, 66.100,
157.893

■ 91, 57.990,
159.569

■ 92, 49.013,

161.049

■ 93, 39.333,
162.358

■ 95, 29.136,
163.524

■ 97, 18.603,
164.573

■ 98, 7.897, 165.547

Harmonies

Complementary

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



89, 84.974, 151.471



55, 84.012, 6.076

Rectangle

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



89, 84.974, 151.471



89, 84.974, 201.471



89, 84.974, 331.471



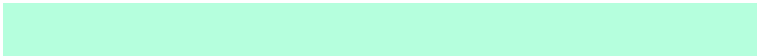
89, 84.974, 21.471

Sweetspot

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



89, 84.497, 151.602



95, 30.840, 163.341



90, 109.687, 129.117



50, 21.064, 162.851



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, 84.497, 151.602



89, 85.773, 150.998



89, 47.748, 201.760



52, 6.104, 165.339



68, 68.492, 151.434



23, 29.618, 154.668

Inverse Universe

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



55, 84.012, 6.076



55, 84.430, 7.322



54, 102.821, 39.723



50, 6.199, 346.907



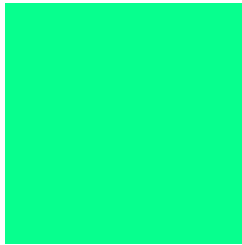
41, 67.998, 6.402



10, 31.521, 0.129

Previews

White Background



This preview shows how the CIE LCh color 89, 84.974, 151.471 looks on a white background.

Color Contrast Check

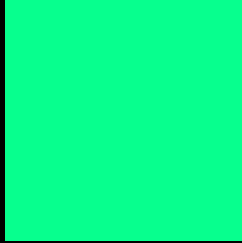
Large Text (above 18pt) WCAG AA × Fail

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, 84.974, 151.471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

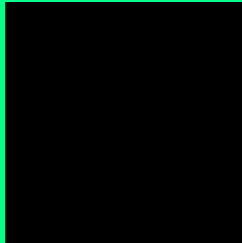
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 84.974, 151.471

Background



This preview shows how black text looks on a background with the CIELCh color 89, 84.974, 151.471.

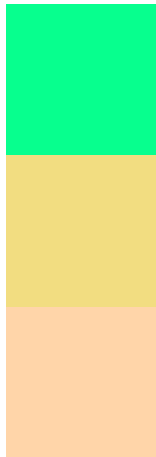


This preview shows how white text looks on a background with the CIELCh color 89, 84.974, 151.471.

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, 84.460, 151.618

Protanopia

88, 47.787, 95.723

Deuteranopia

88, 28.599, 72.370



Tritanopia
88, 32.987, 213.227

Trichromacy



Original Color
89, 84.460, 151.618



Protanomaly
86, 58.378, 135.795



Deuteranomaly
85, 42.920, 140.208

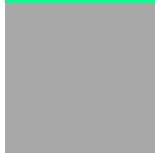


Tritanomaly
88, 48.608, 177.372

Monochromacy



Original Color
89, 84.460, 151.618



Achromatopsia
69, 0.009, 296.813



Achromatomaly
74, 38.689, 161.667

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 84.974, 151.471 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(7, 255, 142)` looks like.

```
.text, #text, p{  
    color:rgb(7, 255, 142)  
}
```

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(7, 255, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 255, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 84.974, 151.471 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(7, 255, 142) }
```

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

```
.border{ border-color:rgb(7, 255, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 255, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 255, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 255, 142);  
box-shadow:4px 4px 4px 4px rgb(7, 255,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 84.974, 151.471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 255, 142) }
```

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

```
.background{ background-color: rgb(7, 255,  
142) }
```

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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