

Converting Colors

CIELCh(89, 84.340, 151.073)

Have a look what the booklet for
CIELCh(89, 84.340, 151.073)
contains.

CIELCh(89, 83.834, 151.275)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 83.834, 151.275)

Conversions

Conversions Part 1	
Format	Color
Hex	1EFF8F
RGB	30, 255, 143
RGB Percent	12%, 100%, 56%
CMY	0.8826, 0.0000, 0.4409
CMYK	0.88, 0.00, 0.44, 0.00
HSL	150°, 100%, 56%
HSV	150°, 88%, 100%
XYZ	41.4175, 74.1641, 37.9449
YIQ	174.9570, -98.1480, -82.5320

Conversions

Conversions Part 2

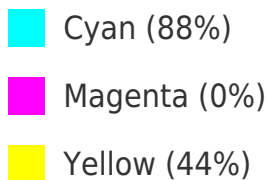
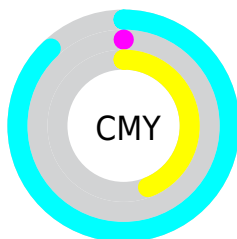
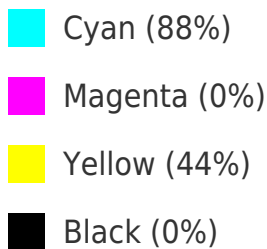
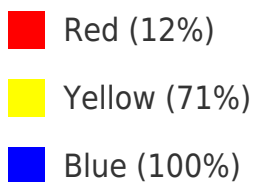
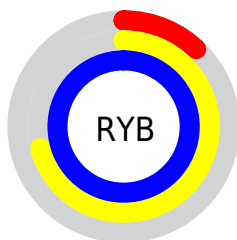
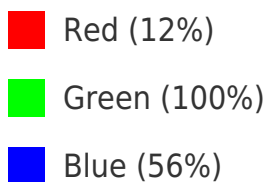
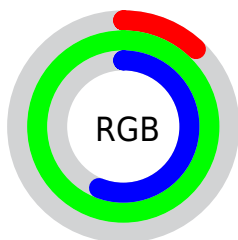
Format	Color
RYB	30, 180, 255
Decimal	2031503
CIELab	89.00, -73.52, 40.29
CIELCh	89, 83.834, 151.275
Yxy	74.1641, 0.2698, 0.4831
Android (android.graphics.Color)	4280221583 (0xFF1EFF8F)
YUV	174.9570, -15.7548, -127.1273
Hunter-Lab	86.1186, -64.8606, 34.1591

Details

The CIELCh color **89, 83.834, 151.275** 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 **56, 82.972, 358.243**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 52.362, 162.012**, and **70, 76.357, 147.203** is the 20% darker color. If you saturate the color by 10%, you get **89, 89.016, 149.065**, and if you desaturate by 10%, it is **89, 77.100, 153.478**.


Distribution





Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 83.834, 151.275 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, 83.834, 151.275 by changing the saturation by 10% instead.


 89, 83.834,
151.275

 89, 83.834,
151.275


 100, 83.834,
151.275


 79, 83.834,
151.275

 69, 83.834,
151.275

 59, 83.834,
151.275

 49, 83.834,
151.275

 39, 83.834,
151.275


 29, 83.834,
151.275

 19, 83.834,


151.275

 9, 83.834, 151.275


 0, 83.834, 151.275


 89, 83.834,
151.275


 89, 83.834,
151.275


 89, 89.016,
149.065

 89, 77.100,
153.478

 88, 89.914,
148.675


 90, 69.621,
155.387


 91, 61.140,
157.079


 92, 51.780,
158.571

 93, 41.713,

159.884

 95, 31.130,
161.046

 96, 20.221,
162.084

 98, 9.155, 163.034

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, 83.834, 151.275



56, 82.972, 358.243

Rectangle

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



89, 83.834, 151.275



89, 83.834, 201.275



89, 83.834, 331.275



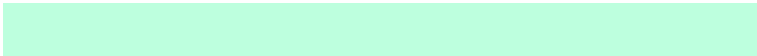
89, 83.834, 21.275

Sweetspot

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



89, 83.537, 151.355



95, 28.682, 161.291



91, 104.617, 127.068



50, 19.393, 160.914



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, 83.537, 151.355



88, 89.914, 148.675



91, 49.267, 196.435



52, 6.299, 162.918



68, 71.778, 149.107



23, 30.957, 152.339

Inverse Universe

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



56, 82.972, 358.243



55, 84.623, 2.988



54, 97.313, 37.177



50, 6.381, 344.433



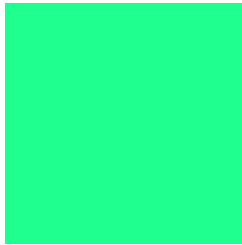
41, 68.242, 2.157



10, 31.864, 356.550

Previews

White Background



This preview shows how the CIE LCh color 89, 83.834, 151.275 looks on a white background.

Color Contrast Check

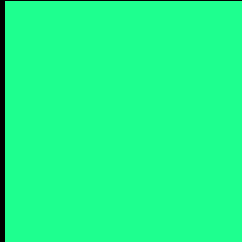
Large Text (above 18pt) WCAG AA × Fail

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, 83.834, 151.275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

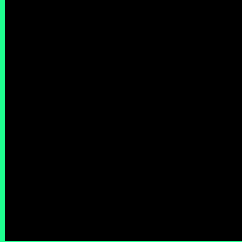
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 83.834, 151.275

Background



This preview shows how black text looks on a background with the CIELCh color 89, 83.834, 151.275.



This preview shows how white text looks on a background with the CIELCh color 89, 83.834, 151.275.

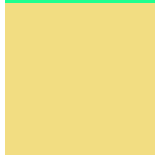
Color Blindness Simulation

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



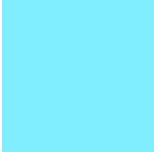
Original Color
89, 83.371, 151.451



Protanopia
88, 47.309, 95.667

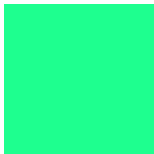
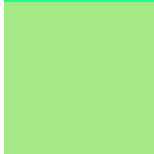
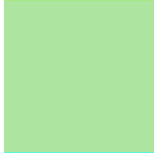
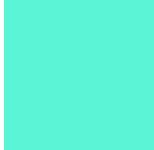


Deuteranopia
88, 28.165, 71.833


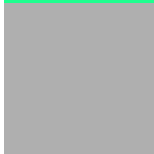



Tritanopia
88, 32.575, 213.454

Trichromacy

	Original Color 89, 83.371, 151.451
	Protanomaly 86, 56.351, 133.433
	Deuteranomaly 85, 40.929, 137.477
	Tritanomaly 88, 47.210, 176.891

Monochromacy

	Original Color 89, 83.371, 151.451
	Achromatopsia 71, 0.009, 296.813
	Achromatomaly 76, 36.504, 159.685

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 83.834, 151.275 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(30, 255, 143)` looks like.

```
.text, #text, p{  
    color:rgb(30, 255, 143)  
}
```

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(30, 255, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 255, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 83.834, 151.275 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(30, 255, 143) }
```

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

```
.border{ border-color:rgb(30, 255, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 255, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 255, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 255, 143);  
box-shadow:4px 4px 4px 4px rgb(30, 255,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 83.834, 151.275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 255, 143) }
```

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

```
.background{ background-color: rgb(30, 255,  
143) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor