

Converting Colors

CIELCh(89, 84.305, 151.874)

Have a look what the booklet for
CIELCh(89, 84.305, 151.874)
contains.

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Color

CIELCh(89, 83.737, 152.080)

Conversions

Conversions Part 1

Format	Color
Hex	0CFF91
RGB	12, 255, 145
RGB Percent	5%, 100%, 57%
CMY	0.9549, 0.0000, 0.4323
CMYK	0.95, 0.00, 0.43, 0.00
HSL	153°, 100%, 52%
HSV	153°, 95%, 100%
XYZ	41.2626, 74.1641, 38.8270
YIQ	169.8030, -109.5180, -85.7260

Conversions

Conversions Part 2

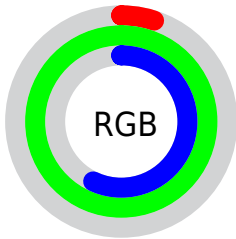
Format	Color
RYB	12, 169, 255
Decimal	851857
CIELab	89.00, -73.99, 39.21
CIELCh	89, 83.737, 152.080
Yxy	74.1641, 0.2675, 0.4808
Android (android.graphics.Color)	4279041937 (0xFF0CFF91)
YUV	169.8030, -12.2279, -138.3932
Hunter-Lab	86.1186, -65.1816, 33.5518

Details

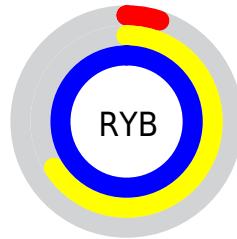
The CIELCh color **89, 83.737, 152.080** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **55, 83.734, 5.450**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 52.439, 163.373**, and **70, 75.599, 147.676** is the 20% darker color. If you saturate the color by 10%, you get **89, 85.516, 151.150**, and if you desaturate by 10%, it is **89, 78.047, 154.459**.

Distribution



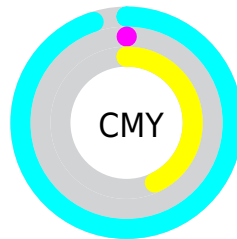
- Red (5%)
- Green (100%)
- Blue (57%)



- Red (5%)
- Yellow (66%)
- Blue (100%)



- Cyan (95%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)





- Cyan (95%)
- Magenta (0%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 83.737, 152.080 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, 83.737, 152.080 by changing the saturation by 10% instead.

 89, 83.737,
152.080

 89, 83.737,
152.080


 100, 83.737,
152.080


 79, 83.737,
152.080

 69, 83.737,
152.080

 59, 83.737,
152.080

 49, 83.737,
152.080

 39, 83.737,
152.080

 29, 83.737,
152.080

 19, 83.737,

152.080

■ 9, 83.737, 152.080

■ 0, 83.737, 152.080

■ 89, 83.737,
152.080

■ 89, 83.737,
152.080

■ 89, 85.516,
151.150

■ 89, 78.047,
154.459

■ 90, 71.778,
156.526

■ 90, 64.489,
158.374

■ 91, 56.235,
160.011

■ 92, 47.141,

161.457

■ 94, 37.378,
162.738

■ 95, 27.130,
163.881

■ 97, 16.576,
164.913

■ 99, 5.876, 165.891

Harmonies

Complementary

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



89, 83.737, 152.080



55, 83.734, 5.450

Rectangle

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



89, 83.737, 152.080



89, 83.737, 202.080



89, 83.737, 332.080



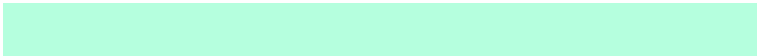
89, 83.737, 22.080

Sweetspot

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



89, 83.344, 152.192



95, 30.775, 163.494



90, 109.024, 128.892



50, 21.019, 163.003



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, 83.344, 152.192



89, 85.516, 151.150



89, 47.689, 201.668



52, 6.092, 165.494



68, 68.288, 151.585



23, 29.536, 154.819

Inverse Universe

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



55, 83.734, 5.450



55, 84.437, 7.592



54, 101.839, 39.424



50, 6.188, 347.065



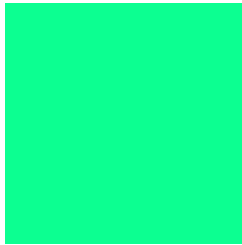
41, 67.998, 6.666



10, 31.505, 0.354

Previews

White Background



This preview shows how the CIE LCh color 89, 83.737, 152.080 looks on a white background.

Color Contrast Check

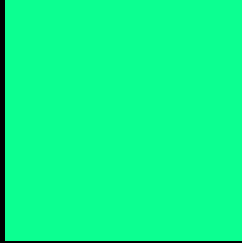
Large Text (above 18pt) WCAG AA × Fail

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, 83.737, 152.080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

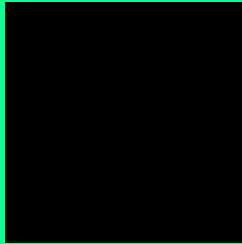
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 83.737, 152.080

Background



This preview shows how black text looks on a background with the CIELCh color 89, 83.737, 152.080.

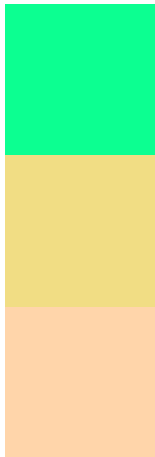


This preview shows how white text looks on a background with the CIELCh color 89, 83.737, 152.080.

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](#).

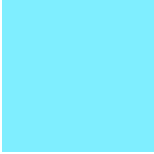
Dichromacy



Original Color
89, 83.241, 152.243

Protanopia
88, 46.265, 96.054

Deuteranopia
88, 28.165, 71.833



Tritanopia
88, 32.782, 213.339

Trichromacy



Original Color
89, 83.241, 152.243



Protanomaly
86, 56.731, 135.974



Deuteranomaly
85, 41.850, 140.584

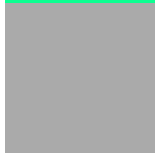


Tritanomaly
88, 48.043, 177.838

Monochromacy



Original Color
89, 83.241, 152.243



Achromatopsia
70, 0.009, 296.813



Achromatomaly
75, 37.852, 161.888

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 83.737, 152.080 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(12, 255, 145)` looks like.

```
.text, #text, p{  
    color:rgb(12, 255, 145)  
}
```

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(12, 255, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 255, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 83.737, 152.080 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(12, 255, 145) }
```

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

```
.border{ border-color:rgb(12, 255, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 255, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 255, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 255, 145);  
box-shadow:4px 4px 4px 4px rgb(12, 255,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 83.737, 152.080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 255, 145) }
```

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

```
.background{ background-color: rgb(12, 255,  
145) }
```

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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