

Converting Colors

CIELCh(89, 82.053, 152.991)

Have a look what the booklet for
CIELCh(89, 82.053, 152.991)
contains.

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Color

CIELCh(89, 81.678, 153.141)

Conversions

Conversions Part 1

Format	Color
Hex	12FF95
RGB	18, 255, 149
RGB Percent	7%, 100%, 58%
CMY	0.9311, 0.0000, 0.4138
CMYK	0.93, 0.00, 0.41, 0.00
HSL	153°, 100%, 53%
HSV	153°, 93%, 100%
XYZ	41.6310, 74.1641, 40.7528
YIQ	172.0530, -107.2260, -83.2100

Conversions

Conversions Part 2

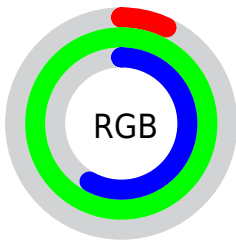
Format	Color
RYB	18, 171, 255
Decimal	1245077
CIELab	89.00, -72.87, 36.90
CIELCh	89, 81.678, 153.141
Yxy	74.1641, 0.2659, 0.4737
Android (android.graphics.Color)	4279435157 (0xFF12FF95)
YUV	172.0530, -11.3651, -135.1045
Hunter-Lab	86.1186, -64.4179, 32.2260

Details

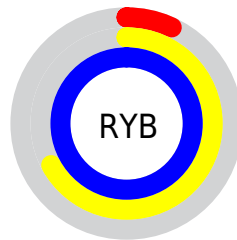
The CIELCh color **89, 81.678, 153.141** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **55, 83.281, 5.132**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 50.909, 165.067**, and **70, 74.070, 148.655** is the 20% darker color. If you saturate the color by 10%, you get **89, 84.724, 151.621**, and if you desaturate by 10%, it is **89, 75.993, 155.439**.

Distribution



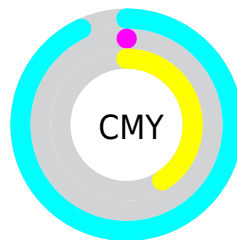
- Red (7%)
- Green (100%)
- Blue (58%)



- Red (7%)
- Yellow (67%)
- Blue (100%)



- Cyan (93%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (93%)
- Magenta (0%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 81.678, 153.141 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, 81.678, 153.141 by changing the saturation by 10% instead.


 89, 81.678,
153.141


 89, 81.678,
153.141


 100, 81.678,
153.141


 79, 81.678,
153.141

 69, 81.678,
153.141

 59, 81.678,
153.141

 49, 81.678,
153.141

 39, 81.678,
153.141

 29, 81.678,
153.141

 19, 81.678,

153.141

■ 9, 81.678, 153.141

■ 0, 81.678, 153.141

■ 89, 81.678,
153.141

■ 89, 81.678,
153.141

■ 89, 84.724,
151.621

■ 89, 75.993,
155.439


■ 90, 69.568,
157.453

■ 90, 62.129,
159.248


■ 91, 53.749,
160.838

■ 93, 44.566,

162.243

 94, 34.752,
163.491

 96, 24.493,
164.607

 97, 13.962,
165.622

 99, 3.312, 166.646

Harmonies

Complementary

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



89, 81.678, 153.141



55, 83.281, 5.132

Rectangle

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



89, 81.678, 153.141



89, 81.678, 203.141



89, 81.678, 333.141



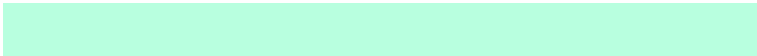
89, 81.678, 23.141

Sweetspot

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



89, 81.429, 153.217



95, 29.550, 164.076



90, 108.639, 129.132



50, 20.306, 163.584



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, 81.429, 153.217



89, 84.724, 151.621



88, 46.639, 204.322



52, 6.056, 165.973



68, 67.661, 152.056



23, 29.282, 155.288

Inverse Universe

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



55, 83.281, 5.132



55, 84.472, 8.421



54, 99.998, 39.233



50, 6.155, 347.553



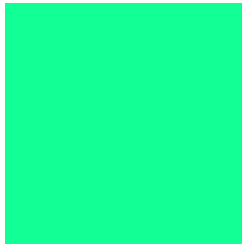
41, 68.007, 7.480



10, 31.458, 1.048

Previews

White Background



This preview shows how the CIE LCh color 89, 81.678, 153.141 looks on a white background.

Color Contrast Check

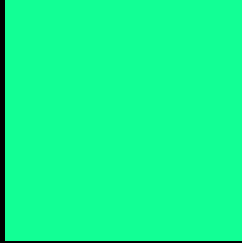
Large Text (above 18pt) WCAG AA × Fail

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, 81.678, 153.141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

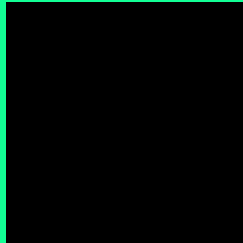
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 81.678, 153.141

Background



This preview shows how black text looks on a background with the CIELCh color 89, 81.678, 153.141.

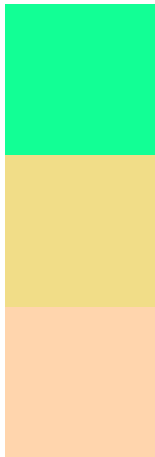


This preview shows how white text looks on a background with the CIELCh color 89, 81.678, 153.141.

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](#).

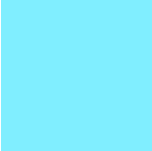
Dichromacy



Original Color
89, 81.593, 153.096

Protanopia
88, 44.333, 95.812

Deuteranopia
88, 26.880, 70.107



Tritanopia
88, 32.575, 213.454

Trichromacy



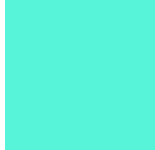
Original Color
89, 81.593, 153.096



Protanomaly
86, 54.644, 136.420



Deuteranomaly
85, 39.943, 140.597

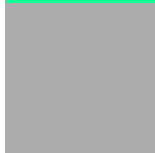


Tritanomaly
88, 47.061, 178.843

Monochromacy



Original Color
89, 81.593, 153.096



Achromatopsia
70, 0.009, 296.813



Achromatomaly
75, 36.419, 162.534

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 81.678, 153.141 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(18, 255, 149)` looks like.

```
.text, #text, p{  
    color:rgb(18, 255, 149)  
}
```

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(18, 255, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 255, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 81.678, 153.141 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(18, 255, 149) }
```

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

```
.border{ border-color:rgb(18, 255, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 255, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 255, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 255, 149);  
box-shadow:4px 4px 4px 4px rgb(18, 255,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 81.678, 153.141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 255, 149) }
```

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

```
.background{ background-color: rgb(18, 255,  
149) }
```

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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