

Converting Colors

CIELCh(89, 81.882, 153.170)

Have a look what the booklet for
CIELCh(89, 81.882, 153.170)
contains.

CIELCh(89, 81.728, 153.168)	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, 81.728, 153.168)

Conversions

Conversions Part 1

Format	Color
Hex	10FF95
RGB	16, 255, 149
RGB Percent	6%, 100%, 58%
CMY	0.9376, 0.0000, 0.4137
CMYK	0.94, 0.00, 0.41, 0.00
HSL	154°, 100%, 53%
HSV	154°, 94%, 100%
XYZ	41.6107, 74.1641, 40.7628
YIQ	171.4550, -108.4180, -83.6340

Conversions

Conversions Part 2

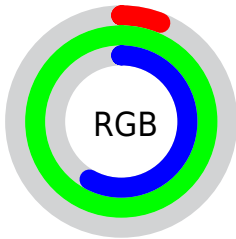
Format	Color
RYB	16, 170, 255
Decimal	1114005
CIELab	89.00, -72.93, 36.89
CIELCh	89, 81.728, 153.168
Yxy	74.1641, 0.2658, 0.4738
Android (android.graphics.Color)	4279304085 (0xFF10FF95)
YUV	171.4550, -11.0703, -136.3340
Hunter-Lab	86.1186, -64.4602, 32.2191

Details

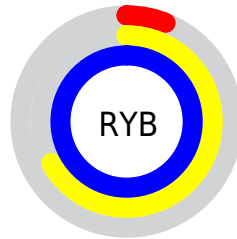
The CIELCh color **89, 81.728, 153.168** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **55, 83.399, 5.728**, and the grayscale version is **70, 0.009, 296.813**.

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, 84.424, 151.802**, and if you desaturate by 10%, it is **89, 76.124, 155.481**.

Distribution



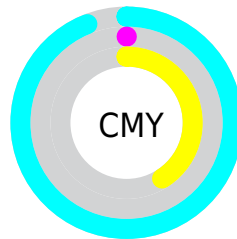
- Red (6%)
- Green (100%)
- Blue (58%)



- Red (6%)
- Yellow (67%)
- Blue (100%)



- Cyan (94%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (94%)
- Magenta (0%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 81.728, 153.168 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, 81.728, 153.168 by changing the saturation by 10% instead.


 89, 81.728,
153.168

 89, 81.728,
153.168


 100, 81.728,
153.168


 79, 81.728,
153.168

 69, 81.728,
153.168

 59, 81.728,
153.168

 49, 81.728,
153.168

 39, 81.728,
153.168


 29, 81.728,
153.168


 19, 81.728,

153.168


 9, 81.728, 153.168


 0, 81.728, 153.168


 89, 81.728,
153.168


 89, 81.728,
153.168

 89, 84.424,
151.802

 89, 76.124,
155.481


 90, 69.798,
157.509


 90, 62.457,
159.318


 91, 54.168,
160.919

 93, 45.064,

162.336

 94, 35.317,
163.594

 95, 25.110,
164.719

 97, 14.619,
165.740

 99, 3.997, 166.747

Harmonies

Complementary

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



89, 81.728, 153.168



55, 83.399, 5.728

Rectangle

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



89, 81.728, 153.168



89, 81.728, 203.168



89, 81.728, 333.168



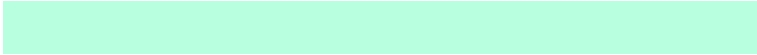
89, 81.728, 23.168

Sweetspot

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



89, 81.469, 153.247



95, 29.478, 164.257



90, 108.914, 129.202



50, 20.256, 163.764



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, 81.469, 153.247



89, 84.424, 151.802



88, 46.668, 204.371



52, 6.043, 166.156



68, 67.423, 152.237



23, 29.186, 155.468

Inverse Universe

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



55, 83.399, 5.728



54, 84.490, 8.736



54, 100.447, 39.352



50, 6.143, 347.740



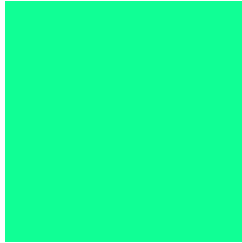
41, 68.014, 7.789



10, 31.441, 1.312

Previews

White Background



This preview shows how the CIE LCh color 89, 81.728, 153.168 looks on a white background.

Color Contrast Check

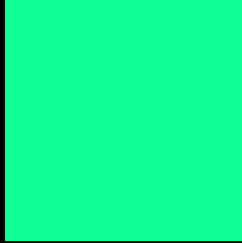
Large Text (above 18pt) WCAG AA × Fail

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, 81.728, 153.168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

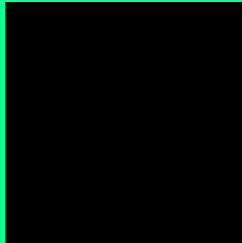
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

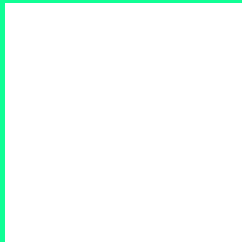
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 81.728, 153.168

Background



This preview shows how black text looks on a background with the CIELCh color 89, 81.728, 153.168.

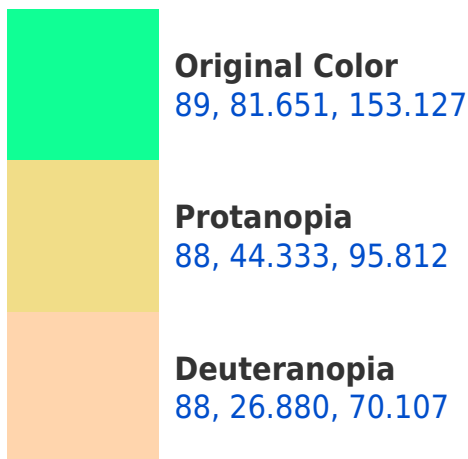


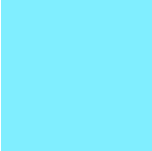
This preview shows how white text looks on a background with the CIELCh color 89, 81.728, 153.168.

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, 32.575, 213.454

Trichromacy



Original Color
89, 81.651, 153.127



Protanomaly
86, 54.828, 136.713



Deuteranomaly
85, 40.143, 140.989

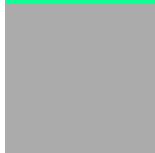


Tritanomaly
88, 47.216, 178.891

Monochromacy



Original Color
89, 81.651, 153.127



Achromatopsia
70, 0.009, 296.813



Achromatomaly
75, 37.009, 162.109

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 81.728, 153.168 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(16, 255, 149)` looks like.

```
.text, #text, p{  
    color:rgb(16, 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(16, 255, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 255, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 81.728, 153.168 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(16, 255, 149) }
```

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

```
.border{ border-color:rgb(16, 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(16, 255, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 255, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 255, 149);  
box-shadow:4px 4px 4px 4px rgb(16, 255,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 81.728, 153.168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 255, 149) }
```

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

```
.background{ background-color: rgb(16, 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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