

Converting Colors

CIELCh(89, 89.022, 149.159)

Have a look what the booklet for
CIELCh(89, 89.022, 149.159)
contains.

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Color

CIELCh(89, 88.473, 149.240)

Conversions

Conversions Part 1

Format	Color
Hex	11FF84
RGB	17, 255, 132
RGB Percent	7%, 100%, 52%
CMY	0.9320, 0.0000, 0.4816
CMYK	0.93, 0.00, 0.48, 0.00
HSL	149°, 100%, 53%
HSV	149°, 93%, 100%
XYZ	40.6004, 74.1641, 34.0746
YIQ	169.8160, -102.3650, -88.7090

Conversions

Conversions Part 2

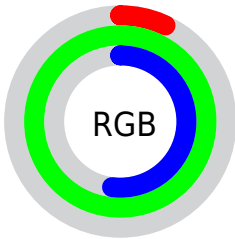
Format	Color
RYB	17, 177, 255
Decimal	1179524
CIELab	89.00, -76.03, 45.25
CIELCh	89, 88.473, 149.240
Yxy	74.1641, 0.2728, 0.4983
Android (android.graphics.Color)	4279369604 (0xFF11FF84)
YUV	169.8160, -18.6433, -134.0196
Hunter-Lab	86.1186, -66.5542, 36.8237

Details

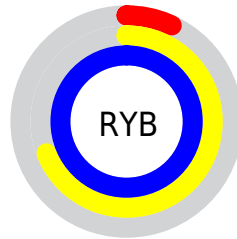
The CIELCh color **89, 88.473, 149.240** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **56, 84.276, 358.589**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 56.832, 157.945**, and **70, 80.435, 144.794** is the 20% darker color. If you saturate the color by 10%, you get **88, 91.508, 147.832**, and if you desaturate by 10%, it is **89, 81.769, 151.596**.

Distribution



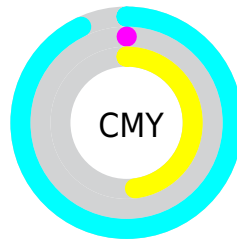
- Red (7%)
- Green (100%)
- Blue (52%)



- Red (7%)
- Yellow (69%)
- Blue (100%)



- Cyan (93%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)



- Cyan (93%)
- Magenta (0%)
- Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 88.473, 149.240 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, 88.473, 149.240 by changing the saturation by 10% instead.


 89, 88.473,
149.240

 89, 88.473,
149.240

 100, 88.473,
149.240

 79, 88.473,
149.240

 69, 88.473,
149.240

 59, 88.473,
149.240

 49, 88.473,
149.240

 39, 88.473,
149.240

 29, 88.473,
149.240

 19, 88.473,


149.240


 9, 88.473, 149.240

 0, 88.473, 149.240


 89, 88.473,
149.240


 89, 88.473,
149.240

 88, 91.508,
147.832

 89, 81.769,
151.596

 90, 74.644,
153.608

 90, 66.475,
155.404

 91, 57.353,
156.989

 92, 47.436,

158.382

■ 94, 36.912,
159.609

■ 95, 25.978,
160.697

■ 97, 14.816,
161.673

■ 99, 3.584, 162.637

Harmonies

Complementary

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



89, 88.473, 149.240



56, 84.276, 358.589

Rectangle

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



89, 88.473, 149.240



89, 88.473, 199.240



89, 88.473, 329.240



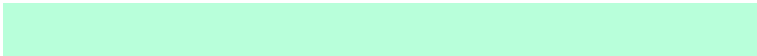
89, 88.473, 19.240

Sweetspot

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



89, 87.854, 149.385



95, 31.261, 160.191



91, 105.864, 126.397



50, 21.507, 159.711



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, 87.854, 149.385



88, 91.508, 147.832



91, 50.997, 191.627



52, 6.378, 162.015



68, 73.045, 148.261



23, 31.478, 151.485

Inverse Universe

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



56, 84.276, 358.589



55, 84.851, 1.325



54, 99.404, 37.333



50, 6.455, 343.509



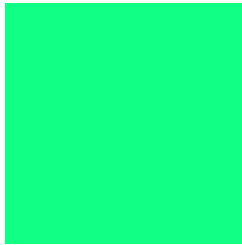
41, 68.454, 0.531



10, 32.036, 355.193

Previews

White Background



This preview shows how the CIELCh color 89, 88.473, 149.240 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, 88.473, 149.240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

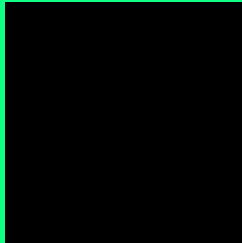
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 88.473, 149.240

Background



This preview shows how black text looks on a background with the CIELCh color 89, 88.473, 149.240.

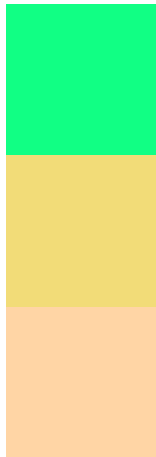


This preview shows how white text looks on a background with the CIELCh color 89, 88.473, 149.240.

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, 87.936, 149.350

Protanopia

88, 51.692, 95.621

Deuteranopia

88, 30.358, 74.351



Tritanopia
88, 33.191, 213.117

Trichromacy



Original Color
89, 87.936, 149.350



Protanomaly
86, 61.941, 132.456



Deuteranomaly
85, 44.792, 136.663



Tritanomaly
88, 49.261, 175.015

Monochromacy



Original Color
89, 87.936, 149.350



Achromatopsia
70, 0.009, 296.813



Achromatomaly
75, 39.225, 158.422

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 88.473, 149.240 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(17, 255, 132)` looks like.

```
.text, #text, p{  
    color:rgb(17, 255, 132)  
}
```

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(17, 255, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 255, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 88.473, 149.240 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(17, 255, 132) }
```

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

```
.border{ border-color:rgb(17, 255, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 255, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 255, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 255, 132);  
box-shadow:4px 4px 4px 4px rgb(17, 255,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 88.473, 149.240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 255, 132) }
```

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

```
.background{ background-color: rgb(17, 255,  
132) }
```

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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