

Converting Colors

CIELCh(89, 102.048, 123.126)

Have a look what the booklet for
CIELCh(89, 102.048, 123.126)
contains.

CIELCh(89, 102.175, 123.101)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(89, 102.175, 123.101)

Conversions

Conversions Part 1

Format	Color
Hex	9EF801
RGB	158, 248, 1
RGB Percent	62%, 97%, 0%
CMY	0.3818, 0.0287, 0.9970
CMYK	0.36, 0.00, 1.00, 0.03
HSL	82°, 99%, 49%
HSV	82°, 100%, 97%
XYZ	47.5007, 74.1641, 11.8327
YIQ	192.9320, 25.6470, -95.8970

Conversions

Conversions Part 2

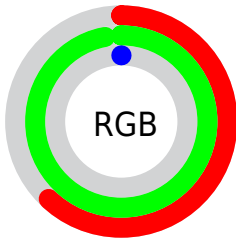
Format	Color
R_{YB}	1, 248, 91
Decimal	10418177
CIE _{Lab}	89.00, -55.80, 85.59
CIE _{LCh}	89, 102.175, 123.101
Yxy	74.1641, 0.3558, 0.5555
Android (android.graphics.Color)	4288608257 (0xFF9EF801)
YUV	192.9320, -94.6225, -30.6354
Hunter-Lab	86.1186, -52.2518, 52.1366

Details

The CIELCh color **89, 102.175, 123.101** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **36, 125.656, 309.094**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 78.260, 115.038**, and **69, 87.590, 127.820** is the 20% darker color. If you saturate the color by 10%, you get **89, 102.267, 123.138**, and if you desaturate by 10%, it is **89, 98.758, 121.999**.

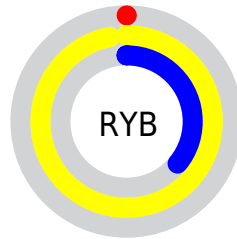
Distribution



Red (62%)

Green (97%)

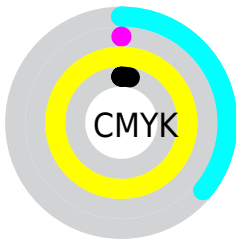
Blue (0%)



Red (0%)

Yellow (97%)

Blue (36%)

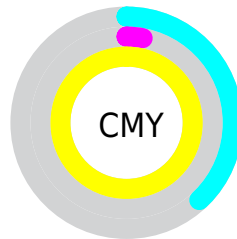


Cyan (36%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (38%)

Magenta (3%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 102.175, 123.101 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, 102.175, 123.101 by changing the saturation by 10% instead.

■ 89, 102.175,
123.101

■ 89, 102.175,
123.101

■ 100, 102.175,
123.101

■ 79, 102.175,
123.101

■ 69, 102.175,
123.101

■ 59, 102.175,
123.101

■ 49, 102.175,
123.101

■ 39, 102.175,
123.101

■ 29, 102.175,
123.101

■ 19, 102.175,

123.101

■ 9, 102.175,
123.101

■ 0, 102.175,
123.101

■ 89, 102.175,
123.101

■ 89, 102.175,
123.101

■ 89, 102.267,
123.138

■ 89, 98.758,
121.999

■ 90, 92.956,
121.355

■ 91, 84.764,
121.157

■ 91, 74.721,
121.289

■ 92, 63.399,
121.631

■ 93, 51.258,
122.096

■ 94, 38.620,
122.621

■ 95, 25.704,
123.166

■ 96, 12.658,
123.709

Harmonies

Complementary

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



89, 102.175, 123.101



36, 125.656, 309.094

Rectangle

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



89, 102.175, 123.101



89, 102.175, 173.101



89, 102.175, 303.101



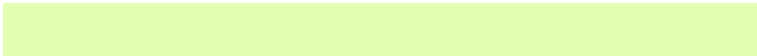
89, 102.175, 353.101

Sweetspot

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



89, 102.175, 123.102



96, 39.952, 122.602



59, 90.369, 49.440



51, 27.186, 122.376



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, 102.175, 123.102



91, 104.572, 123.163



86, 115.944, 135.300



52, 7.481, 123.719



70, 83.206, 122.873



23, 36.369, 121.475

Inverse Universe

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



36, 125.656, 309.094



37, 128.644, 309.066



52, 114.393, 322.409



48, 7.612, 304.710



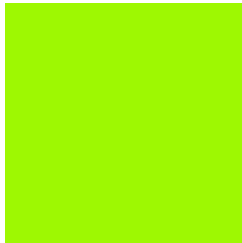
27, 102.356, 309.250



5, 43.004, 308.905

Previews

White Background



This preview shows how the CIELCh color 89, 102.175, 123.101 looks on a white background.

Color Contrast Check

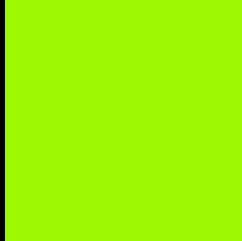
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 89, 102.175, 123.101 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, 102.175, 123.101

Background



This preview shows how black text looks on a background with the CIELCh color 89, 102.175, 123.101.

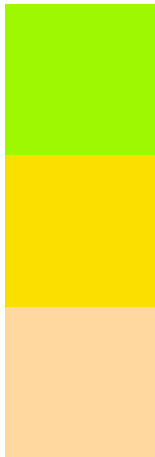


This preview shows how white text looks on a background with the CIELCh color 89, 102.175, 123.101.

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, 102.244, 123.083

Protanopia

89, 88.475, 94.956

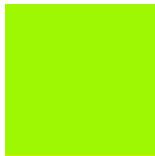
Deuteranopia

88, 33.234, 79.475



Tritanopia
89, 17.617, 233.007

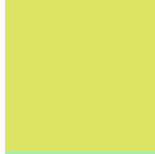
Trichromacy



Original Color
89, 102.244, 123.083



Protanomaly
88, 90.515, 106.889



Deuteranomaly
88, 62.488, 108.028

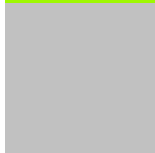


Tritanomaly
88, 45.956, 137.192

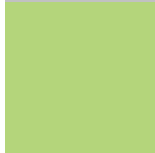
Monochromacy



Original Color
89, 102.244, 123.083



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 48.201, 122.069

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 102.175, 123.101 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(158, 248, 1)` looks like.

```
.text, #text, p{  
    color:rgb(158, 248, 1)  
}
```

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(158, 248, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 248, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 102.175, 123.101 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(158, 248, 1) }
```

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

```
.border{ border-color:rgb(158, 248, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 248, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 248, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 248, 1);  
box-shadow:4px 4px 4px 4px rgb(158, 248,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 102.175, 123.101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 248, 1) }
```

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

```
.background{ background-color: rgb(158,  
248, 1) }
```

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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