

Converting Colors

CIELCh(89, 102.294, 124.141)

Have a look what the booklet for
CIELCh(89, 102.294, 124.141)
contains.

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Color

CIELCh(89, 102.179, 124.160)

Conversions

Conversions Part 1

Format	Color
Hex	99F80D
RGB	153, 248, 13
RGB Percent	60%, 97%, 5%
CMY	0.3987, 0.0262, 0.9486
CMYK	0.38, 0.00, 0.95, 0.03
HSL	84°, 95%, 51%
HSV	84°, 95%, 97%
XYZ	46.9374, 74.1641, 12.2247
YIQ	192.8050, 18.8150, -93.2250

Conversions

Conversions Part 2

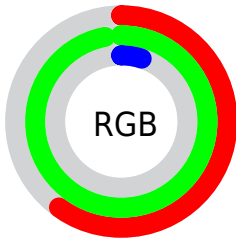
Format	Color
RYB	13, 248, 108
Decimal	10090509
CIELab	89.00, -57.37, 84.55
CIElCh	89, 102.179, 124.160
Yxy	74.1641, 0.3520, 0.5563
Android (android.graphics.Color)	4288280589 (0xFF99F80D)
YUV	192.8050, -88.6439, -34.9090
Hunter-Lab	86.1186, -53.4193, 51.8667

Details

The CIELCh color **89, 102.179, 124.160** 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 **38, 122.591, 310.025**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 77.941, 116.596**, and **69, 88.477, 128.839** is the 20% darker color. If you saturate the color by 10%, you get **89, 103.837, 124.802**, and if you desaturate by 10%, it is **90, 97.508, 123.231**.

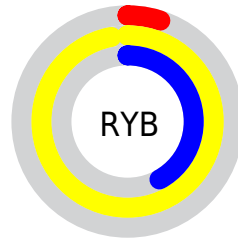
Distribution



Red (60%)

Green (97%)

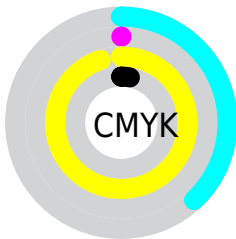
Blue (5%)



Red (5%)

Yellow (97%)

Blue (42%)

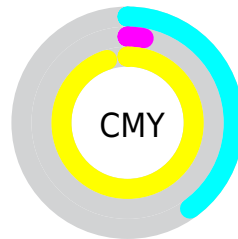


Cyan (38%)

Magenta (0%)

Yellow (95%)

Black (3%)



Cyan (40%)

Magenta (3%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 102.179, 124.160 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, 102.179, 124.160 by changing the saturation by 10% instead.

■ 89, 102.179,
124.160

■ 89, 102.179,
124.160

■ 100, 102.179,
124.160

■ 79, 102.179,
124.160

■ 69, 102.179,
124.160

■ 59, 102.179,
124.160

■ 49, 102.179,
124.160

■ 39, 102.179,
124.160

■ 29, 102.179,
124.160

■ 19, 102.179,

124.160

■ 9, 102.179,
124.160

■ 0, 102.179,
124.160

■ 89, 102.179,
124.160

■ 89, 102.179,
124.160

■ 89, 103.837,
124.802

■ 90, 97.508,
123.231

■ 90, 90.294,
122.797

■ 91, 80.937,
122.760

■ 92, 70.027,
122.994

■ 93, 58.088,
123.390

■ 94, 45.509,
123.873

■ 95, 32.560,
124.391

■ 96, 19.422,
124.913

■ 97, 6.218, 125.429

Harmonies

Complementary

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



89, 102.179, 124.160



38, 122.591, 310.025

Rectangle

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



89, 102.179, 124.160



89, 102.179, 174.160



89, 102.179, 304.160



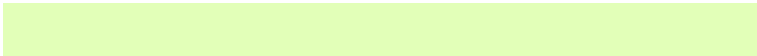
89, 102.179, 354.160

Sweetspot

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



89, 102.179, 124.161



96, 37.635, 124.217



62, 85.024, 53.669



51, 25.926, 123.993



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, 102.179, 124.161



91, 105.966, 124.826



86, 115.432, 135.626



52, 7.536, 125.183



69, 84.293, 124.527



23, 36.771, 123.089

Inverse Universe

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



38, 122.591, 310.025



38, 127.642, 309.726



55, 112.984, 324.427



48, 7.661, 306.116



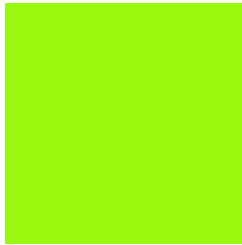
27, 101.561, 309.920



5, 43.095, 309.969

Previews

White Background



This preview shows how the CIELCh color 89, 102.179, 124.160 looks on a white background.

Color Contrast Check

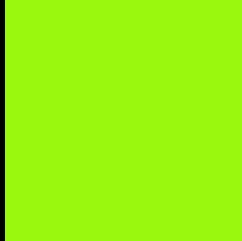
Large Text (above 18pt) WCAG AA × Fail

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, 102.179, 124.160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

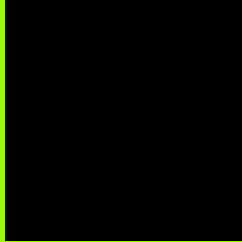
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 102.179, 124.160

Background



This preview shows how black text looks on a background with the CIELCh color 89, 102.179, 124.160.



This preview shows how white text looks on a background with the CIELCh color 89, 102.179, 124.160.

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, 102.101, 124.181

Protanopia

89, 88.475, 94.956

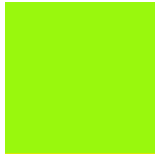
Deuteranopia

88, 33.234, 79.475



Tritanopia
89, 18.637, 228.899

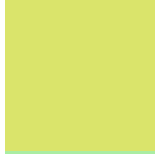
Trichromacy



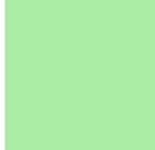
Original Color
89, 102.101, 124.181



Protanomaly
88, 90.199, 107.468



Deuteranomaly
88, 60.348, 109.088

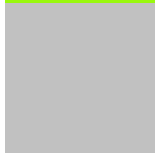


Tritanomaly
88, 45.570, 139.936

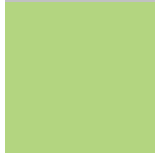
Monochromacy



Original Color
89, 102.101, 124.181



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 45.968, 123.484

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 102.179, 124.160 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(153, 248, 13)` looks like.

```
.text, #text, p{  
    color:rgb(153, 248, 13)  
}
```

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(153, 248, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 248, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 102.179, 124.160 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(153, 248, 13) }
```

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

```
.border{ border-color:rgb(153, 248, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 248, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 248, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 248, 13);  
box-shadow:4px 4px 4px 4px rgb(153, 248,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 102.179, 124.160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 248, 13) }
```

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

```
.background{ background-color: rgb(153,  
248, 13) }
```

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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