

Converting Colors

CIELCh(89, 99.714, 120.830)

Have a look what the booklet for
CIELCh(89, 99.714, 120.830)
contains.

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Color

CIELCh(89, 99.758, 120.834)

Conversions

Conversions Part 1

Format	Color
Hex	A9F603
RGB	169, 246, 3
RGB Percent	66%, 96%, 1%
CMY	0.3383, 0.0363, 0.9881
CMYK	0.31, 0.00, 0.99, 0.04
HSL	79°, 98%, 49%
HSV	79°, 99%, 96%
XYZ	49.1970, 74.1641, 11.8086
YIQ	195.2750, 32.1110, -91.8970

Conversions

Conversions Part 2

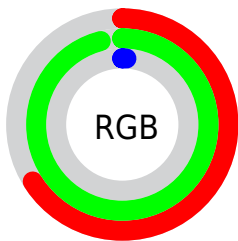
Format	Color
RYB	3, 246, 80
Decimal	11138563
CIELab	89.00, -51.13, 85.66
CIELCh	89, 99.758, 120.834
Yxy	74.1641, 0.3640, 0.5487
Android (android.graphics.Color)	4289328643 (0xFFA9F603)
YUV	195.2750, -94.7916, -23.0432
Hunter-Lab	86.1186, -48.7357, 52.1532

Details

The CIELCh color **89, 99.758, 120.834** 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 **35, 125.539, 308.426**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 77.489, 111.870**, and **69, 84.941, 125.302** is the 20% darker color. If you saturate the color by 10%, you get **89, 100.098, 120.971**, and if you desaturate by 10%, it is **89, 96.406, 119.831**.

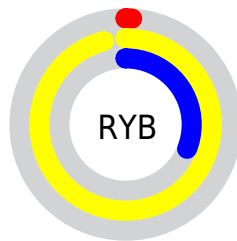
Distribution



Red (66%)

Green (96%)

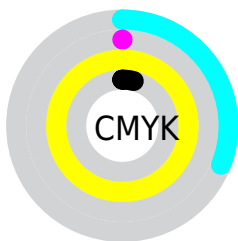
Blue (1%)



Red (1%)

Yellow (96%)

Blue (31%)

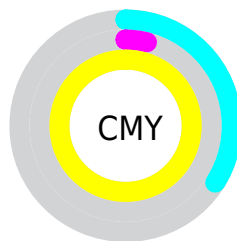


Cyan (31%)

Magenta (0%)

Yellow (99%)

Black (4%)



Cyan (34%)


Magenta (4%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 99.758, 120.834 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, 99.758, 120.834 by changing the saturation by 10% instead.


 89, 99.758,
120.834

 89, 99.758,
120.834


 100, 99.758,
120.834


 79, 99.758,
120.834

 69, 99.758,
120.834

 59, 99.758,
120.834

 49, 99.758,
120.834

 39, 99.758,
120.834


 29, 99.758,
120.834


 19, 99.758,


120.834


 9, 99.758, 120.834


 0, 99.758, 120.834


 89, 99.758,
120.834


 89, 99.758,
120.834

 89, 100.098,
120.971

 89, 96.406,
119.831

 90, 90.593,
119.290

 91, 82.433,
119.172

 91, 72.476,
119.361

 92, 61.288,

119.749

■ 93, 49.312,
120.252

■ 94, 36.858,
120.812

■ 95, 24.135,
121.392

■ 96, 11.281,
121.969

Harmonies

Complementary

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



89, 99.758, 120.834



35, 125.539, 308.426

Rectangle

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



89, 99.758, 120.834



89, 99.758, 170.834



89, 99.758, 300.834



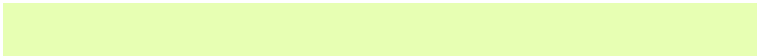
89, 99.758, 350.834

Sweetspot

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



89, 99.758, 120.835



97, 39.587, 120.737



57, 90.853, 47.804



51, 26.933, 120.498



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, 99.758, 120.835



92, 102.962, 121.000



85, 114.504, 134.958



51, 7.296, 121.927



69, 81.122, 120.713



22, 34.656, 119.543

Inverse Universe

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



35, 125.539, 308.426



36, 129.773, 308.376



51, 114.002, 321.236



47, 7.432, 302.998



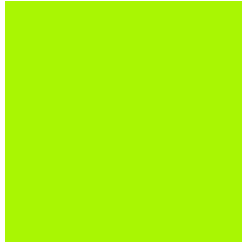
25, 102.206, 308.553



4, 40.905, 307.136

Previews

White Background



This preview shows how the CIELCh color 89, 99.758, 120.834 looks on a white background.

Color Contrast Check

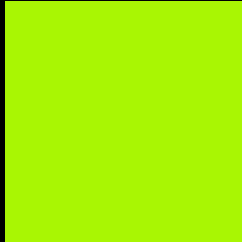
Large Text (above 18pt) WCAG AA × Fail

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, 99.758, 120.834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

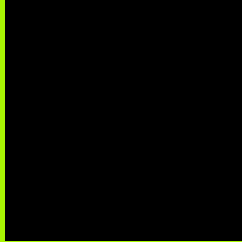
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 99.758, 120.834

Background



This preview shows how black text looks on a background with the CIELCh color 89, 99.758, 120.834.

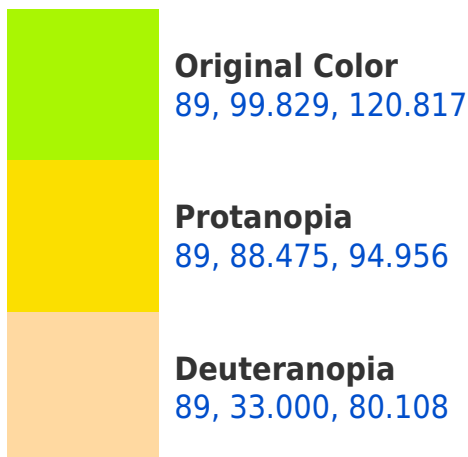


This preview shows how white text looks on a background with the CIELCh color 89, 99.758, 120.834.

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](#).

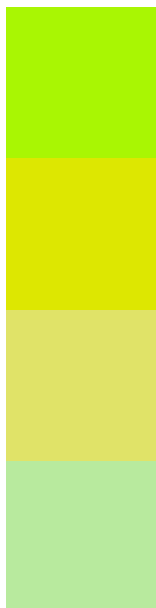
Dichromacy





Tritanopia
89, 14.970, 240.465

Trichromacy



Original Color
89, 99.829, 120.817

Protanomaly
88, 89.989, 105.572

Deuteranomaly
88, 61.120, 106.242

Tritanomaly
88, 43.439, 132.851

Monochromacy



Original Color
89, 99.829, 120.817

Achromatopsia
79, 0.010, 296.813

Achromatomaly
82, 46.707, 120.169

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 99.758, 120.834 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(169, 246, 3)` looks like.

```
.text, #text, p{  
    color:rgb(169, 246, 3)  
}
```

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(169, 246, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 246, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 99.758, 120.834 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(169, 246, 3) }
```

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

```
.border{ border-color:rgb(169, 246, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 246, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 246, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 246, 3);  
box-shadow:4px 4px 4px 4px rgb(169, 246,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 99.758, 120.834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 246, 3) }
```

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

```
.background{ background-color: rgb(169,  
246, 3) }
```

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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