

Converting Colors

CIELCh(90, 99.431, 129.127)

Have a look what the booklet for
CIELCh(90, 99.431, 129.127)
contains.

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Color

CIELCh(90, 99.758, 129.212)

Conversions

Conversions Part 1

Format	Color
Hex	8AFE38
RGB	138, 254, 56
RGB Percent	54%, 100%, 22%
CMY	0.4603, 0.0053, 0.7821
CMYK	0.46, 0.00, 0.78, 0.01
HSL	95°, 99%, 61%
HSV	95°, 78%, 99%
XYZ	46.4468, 76.3034, 15.9659
YIQ	196.7440, -5.5780, -86.1700

Conversions

Conversions Part 2

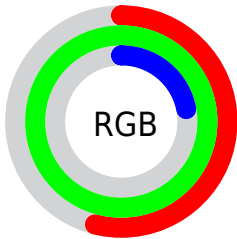
Format	Color
RYB	56, 254, 172
Decimal	9109048
CIELab	90.00, -63.07, 77.29
CIELCh	90, 99.758, 129.212
Yxy	76.3034, 0.3348, 0.5501
Android (android.graphics.Color)	4287299128 (0xFF8AFE38)
YUV	196.7440, -69.3868, -51.5185
Hunter-Lab	87.3518, -57.9533, 50.3094

Details

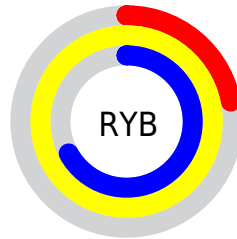
The CIELCh color **90, 99.758, 129.212** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **50, 108.598, 314.875**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 70.451, 123.215**, and **70, 93.032, 131.700** is the 20% darker color. If you saturate the color by 10%, you get **89, 106.826, 129.717**, and if you desaturate by 10%, it is **91, 90.276, 129.137**.

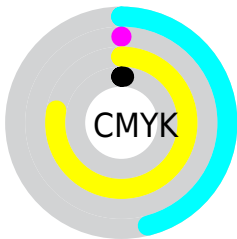
Distribution



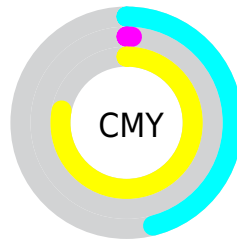
- Red (54%)
- Green (100%)
- Blue (22%)



- Red (22%)
- Yellow (100%)
- Blue (67%)



- Cyan (46%)
- Magenta (0%)
- Yellow (78%)
- Black (1%)





- Cyan (46%)
- Magenta (1%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 99.758, 129.212 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 90, 99.758, 129.212 by changing the saturation by 10% instead.


 90, 99.758,
129.212


 90, 99.758,
129.212

 100, 99.758,
129.212


 80, 99.758,
129.212

 70, 99.758,
129.212

 60, 99.758,
129.212

 50, 99.758,
129.212

 40, 99.758,
129.212

 30, 99.758,
129.212

 20, 99.758,

129.212

■ 10, 99.758,
129.212

■ 0, 99.758, 129.212

■ 90, 99.758,
129.212

■ 90, 99.758,
129.212

■ 89, 106.826,
129.717

■ 91, 90.276,
129.137

■ 89, 111.248,
130.697

■ 92, 78.970,
129.356

■ 89, 111.928,
130.897

■ 93, 66.426,
129.748

■ 94, 53.105,
130.223

■ 95, 39.336,
130.722

■ 97, 25.351,
131.212

■ 98, 11.309,
131.680

100, 0.854,
324.109

Harmonies

Complementary

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



90, 99.758, 129.212



50, 108.598, 314.875

Rectangle

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



90, 99.758, 129.212



90, 99.758, 179.212



90, 99.758, 309.212



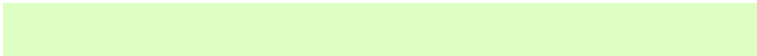
90, 99.758, 359.212

Sweetspot

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



90, 99.758, 129.213



96, 32.374, 130.974



76, 70.829, 72.588



51, 22.397, 130.795



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 99.758, 129.213



89, 110.186, 130.250



88, 105.421, 138.828



52, 7.987, 131.615



69, 90.257, 130.635



23, 40.088, 129.212

Inverse Universe

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



50, 108.598, 314.875



45, 120.456, 314.255



62, 100.981, 331.023



49, 8.079, 312.399



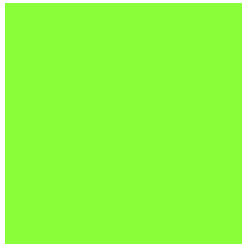
32, 98.697, 313.997



7, 44.717, 315.267

Previews

White Background



This preview shows how the CIE LCh color 90, 99.758, 129.212 looks on a white background.

Color Contrast Check

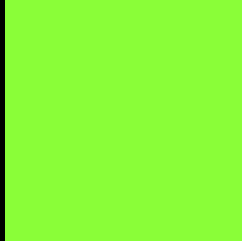
Large Text (above 18pt) WCAG AA × Fail

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 90, 99.758, 129.212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

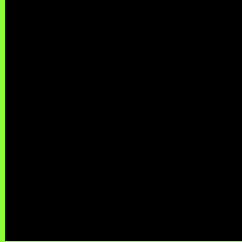
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

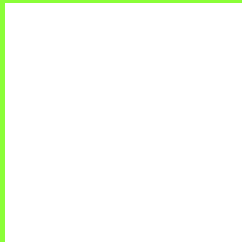
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 99.758, 129.212

Background



This preview shows how black text looks on a background with the CIELCh color 90, 99.758, 129.212.

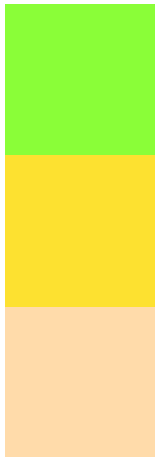


This preview shows how white text looks on a background with the CIELCh color 90, 99.758, 129.212.

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

90, 99.758, 129.212

Protanopia

89, 81.803, 94.947

Deuteranopia

89, 29.301, 78.803



Tritanopia
90, 22.827, 224.049

Trichromacy



Original Color
90, 99.758, 129.212



Protanomaly
89, 84.046, 110.312



Deuteranomaly
89, 52.973, 114.619

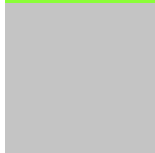


Tritanomaly
89, 43.174, 150.800

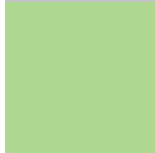
Monochromacy



Original Color
90, 99.758, 129.212



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 40.847, 130.400

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 99.758, 129.212 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(138, 254, 56)` looks like.

```
.text, #text, p{  
    color:rgb(138, 254, 56)  
}
```

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(138, 254, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 254, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 99.758, 129.212 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(138, 254, 56) }
```

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

```
.border{ border-color:rgb(138, 254, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 254, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 254, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 254, 56);  
box-shadow:4px 4px 4px 4px rgb(138, 254,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 99.758, 129.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 254, 56) }
```

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

```
.background{ background-color: rgb(138,  
254, 56) }
```

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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