

Converting Colors

CIELCh(90, 106.876, 127.115)

Have a look what the booklet for
CIELCh(90, 106.876, 127.115)
contains.

CIELCh(90, 106.834, 127.068)	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>	27

Color

CIELCh(90, 106.834, 127.068)

Conversions

Conversions Part 1

Format	Color
Hex	8AFE0B
RGB	138, 254, 11
RGB Percent	54%, 100%, 4%
CMY	0.4589, 0.0039, 0.9569
CMYK	0.46, 0.00, 0.96, 0.00
HSL	89°, 99%, 52%
HSV	89°, 96%, 100%
XYZ	45.9781, 76.3034, 12.6202
YIQ	191.6140, 8.8670, -100.1650

Conversions

Conversions Part 2

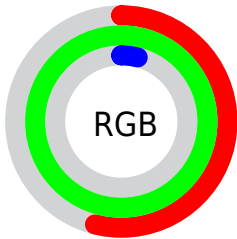
Format	Color
RYB	11, 254, 127
Decimal	9109003
CIELab	90.00, -64.40, 85.25
CIElCh	90, 106.834, 127.068
Yxy	76.3034, 0.3408, 0.5656
Android (android.graphics.Color)	4287299083 (0xFF8AFE0B)
YUV	191.6140, -89.0427, -47.0195
Hunter-Lab	87.3518, -58.9112, 52.5803

Details

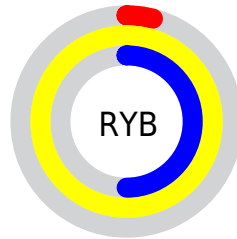
The CIELCh color **90, 106.834, 127.068** is a dark color, and the websafe version is hex **99FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **41, 123.420, 311.468**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 79.027, 120.460**, and **70, 93.159, 131.818** is the 20% darker color. If you saturate the color by 10%, you get **90, 108.298, 127.599**, and if you desaturate by 10%, it is **91, 102.074, 126.077**.

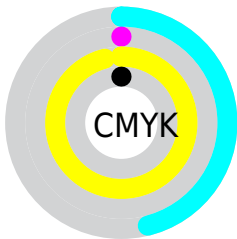
Distribution



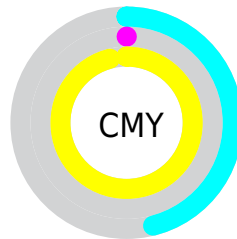
- Red (54%)
- Green (100%)
- Blue (4%)



- Red (4%)
- Yellow (100%)
- Blue (50%)



- Cyan (46%)
- Magenta (0%)
- Yellow (96%)
- Black (0%)





- Cyan (46%)
- Magenta (0%)
- Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 106.834, 127.068 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, 106.834, 127.068 by changing the saturation by 10% instead.


 90, 106.834,
127.068


 90, 106.834,
127.068


 100, 106.834,
127.068


 80, 106.834,
127.068

 70, 106.834,
127.068

 60, 106.834,
127.068

 50, 106.834,
127.068

 40, 106.834,
127.068

 30, 106.834,
127.068

 20, 106.834,

127.068

■ 10, 106.834,
127.068

■ 0, 106.834,
127.068

■ 90, 106.834,
127.068

■ 90, 106.834,
127.068

■ 90, 108.298,
127.599

■ 91, 102.074,
126.077

■ 91, 94.698,
125.591

■ 92, 85.080,
125.518

■ 93, 73.819,
125.728

■ 94, 61.464,
126.105

■ 95, 48.432,
126.567

■ 96, 35.009,
127.061

■ 97, 21.395,
127.555

■ 99, 7.726, 128.038

Harmonies

Complementary

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



90, 106.834, 127.068



41, 123.420, 311.468

Rectangle

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



90, 106.834, 127.068



90, 106.834, 177.068



90, 106.834, 307.068



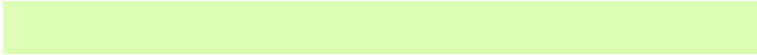
90, 106.834, 357.068

Sweetspot

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



90, 106.834, 127.069



96, 39.635, 126.895



66, 84.408, 58.345



51, 27.143, 126.684



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, 106.834, 127.069



90, 108.627, 127.603



88, 118.346, 136.015



53, 7.782, 127.853



70, 87.255, 127.316



24, 38.844, 125.751

Inverse Universe

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



41, 123.420, 311.468



40, 125.669, 311.174



59, 114.652, 326.922



49, 7.895, 308.705



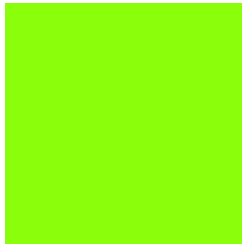
29, 101.023, 311.368



6, 44.917, 312.258

Previews

White Background



This preview shows how the CIELCh color 90, 106.834, 127.068 looks on a white background.

Color Contrast Check

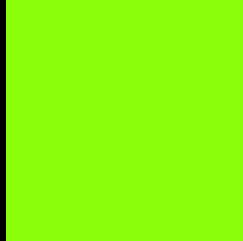
Large Text (above 18pt) WCAG AA × Fail

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 90, 106.834, 127.068 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, 106.834, 127.068

Background



This preview shows how black text looks on a background with the CIELCh color 90, 106.834, 127.068.

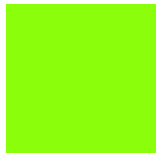


This preview shows how white text looks on a background with the CIELCh color 90, 106.834, 127.068.

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



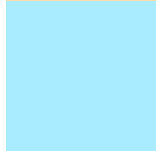
Original Color

90, 106.834, 127.068



Deuteranopia

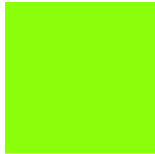
89, 29.761, 79.212



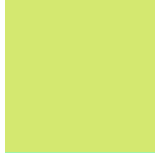
Tritanopia

90, 22.827, 224.049

Trichromacy



Original Color
90, 106.834, 127.068

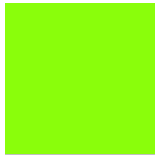


Deuteranomaly
88, 60.257, 113.057

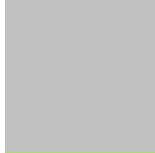


Tritanomaly
89, 50.244, 144.436

Monochromacy



Original Color
90, 106.834, 127.068



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 48.970, 126.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 106.834, 127.068 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, 11)` looks like.

```
.text, #text, p{  
    color:rgb(138, 254, 11)  
}
```

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, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 254, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 106.834, 127.068 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, 11) }
```

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

```
.border{ border-color:rgb(138, 254, 11) }
```

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, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 254, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 254, 11);  
box-shadow:4px 4px 4px 4px rgb(138, 254,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 106.834, 127.068 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, 11) }
```

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

```
.background{ background-color: rgb(138,  
254, 11) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor