

Converting Colors

CIELCh(90, 108.415, 127.398)

Have a look what the booklet for
CIELCh(90, 108.415, 127.398)
contains.

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Color

CIELCh(90, 108.522, 127.502)

Conversions

Conversions Part 1

Format	Color
Hex	86FF00
RGB	134, 255, 0
RGB Percent	53%, 100%, 0%
CMY	0.4762, 0.0015, 1.0000
CMYK	0.48, 0.00, 1.00, 0.00
HSL	89°, 100%, 50%
HSV	89°, 100%, 100%
XYZ	45.3932, 76.3034, 12.2934
YIQ	189.7510, 9.7390, -104.9570

Conversions

Conversions Part 2

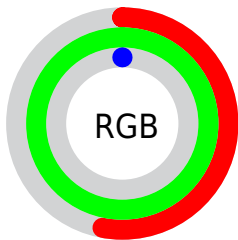
Format	Color
RYB	0, 255, 121
Decimal	8847104
CIELab	90.00, -66.07, 86.09
CIELCh	90, 108.522, 127.502
Yxy	76.3034, 0.3388, 0.5695
Android (android.graphics.Color)	4287037184 (0xFF86FF00)
YUV	189.7510, -93.5472, -48.8936
Hunter-Lab	87.3518, -60.1064, 52.8021

Details

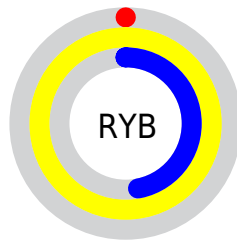
The CIELCh color **90, 108.522, 127.502** is a dark color, and the websafe version is hex **99FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **40, 125.580, 311.131**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 80.614, 121.190**, and **70, 94.297, 132.527** is the 20% darker color. If you saturate the color by 10%, you get **90, 108.428, 127.530**, and if you desaturate by 10%, it is **91, 104.593, 126.372**.

Distribution



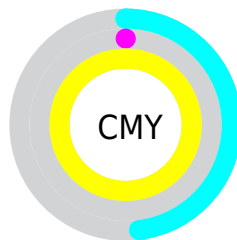
- Red (53%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (47%)



- Cyan (48%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 108.522, 127.502 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, 108.522, 127.502 by changing the saturation by 10% instead.


 90, 108.522,
127.502


 90, 108.522,
127.502


 100, 108.522,
127.502


 80, 108.522,
127.502


 70, 108.522,
127.502

 60, 108.522,
127.502


 50, 108.522,
127.502


 40, 108.522,
127.502


 30, 108.522,
127.502


 20, 108.522,


127.502


 10, 108.522,
127.502


 0, 108.522,
127.502


 90, 108.522,
127.502


 90, 108.522,
127.502

 90, 108.428,
127.530

 91, 104.593,
126.372

 91, 98.329,
125.671

 92, 89.605,
125.434

 93, 78.970,
125.537

■ 94, 67.015,
125.853

■ 95, 54.216,
126.286

■ 96, 40.915,
126.771

■ 97, 27.345,
127.269

■ 98, 13.666,
127.757

Harmonies

Complementary

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



90, 108.522, 127.502



40, 125.580, 311.131

Rectangle

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



90, 108.522, 127.502



90, 108.522, 177.502



90, 108.522, 307.502



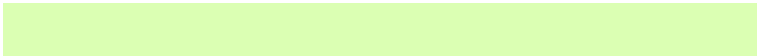
90, 108.522, 357.502

Sweetspot

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



90, 108.428, 127.530



96, 40.965, 126.771



65, 86.842, 57.124



51, 27.890, 126.563



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, 108.428, 127.530



90, 108.553, 127.532



88, 119.489, 135.924



53, 7.778, 127.780



70, 87.197, 127.245



24, 38.821, 125.679

Inverse Universe

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



40, 125.580, 311.131



40, 125.725, 311.130



59, 115.623, 326.895



49, 7.892, 308.634



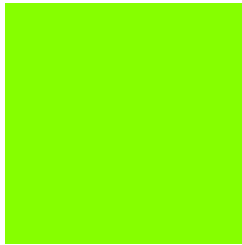
29, 101.067, 311.324



6, 44.918, 312.203

Previews

White Background



This preview shows how the CIE LCh color 90, 108.522, 127.502 looks on a white background.

Color Contrast Check

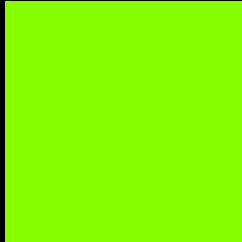
Large Text (above 18pt) WCAG AA × Fail

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, 108.522, 127.502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

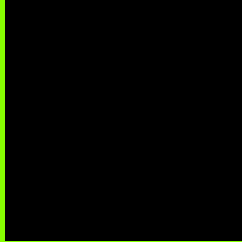
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 108.522, 127.502

Background



This preview shows how black text looks on a background with the CIELCh color 90, 108.522, 127.502.



This preview shows how white text looks on a background with the CIELCh color 90, 108.522, 127.502.

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, 108.522, 127.502

Protanopia

89, 89.123, 94.745

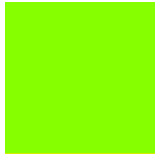
Deuteranopia

89, 29.761, 79.212



Tritanopia
90, 23.075, 223.738

Trichromacy



Original Color
90, 108.522, 127.502



Protanomaly
89, 92.202, 109.668



Deuteranomaly
88, 62.079, 113.081

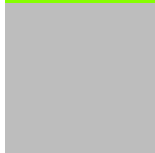


Tritanomaly
89, 52.506, 143.895

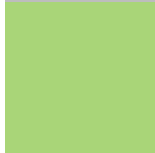
Monochromacy



Original Color
90, 108.522, 127.502



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 51.020, 126.056

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 108.522, 127.502 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(134, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(134, 255, 0)  
}
```

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(134, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 255, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 108.522, 127.502 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(134, 255, 0) }
```

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

```
.border{ border-color:rgb(134, 255, 0) }
```

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

Here you see how a box with a 4 pixel rgb(134, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(134, 255,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 108.522, 127.502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 255, 0) }
```

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

```
.background{ background-color: rgb(134,  
255, 0) }
```

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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