

Converting Colors

CIELCh(90, 102.332, 129.848)

Have a look what the booklet for
CIELCh(90, 102.332, 129.848)
contains.

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Color

CIELCh(90, 102.620, 129.840)

Conversions

Conversions Part 1

Format	Color
Hex	83FF32
RGB	131, 255, 50
RGB Percent	51%, 100%, 20%
CMY	0.4878, 0.0014, 0.8058
CMYK	0.49, 0.00, 0.81, 0.00
HSL	96°, 100%, 60%
HSV	96°, 81%, 100%
XYZ	45.5061, 76.3034, 15.2936
YIQ	194.5540, -8.0990, -90.0430

Conversions

Conversions Part 2

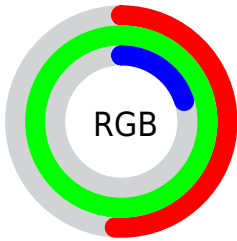
Format	Color
RYB	50, 255, 174
Decimal	8650546
CIELab	90.00, -65.74, 78.80
CIELCh	90, 102.620, 129.840
Yxy	76.3034, 0.3319, 0.5565
Android (android.graphics.Color)	4286840626 (0xFF83FF32)
YUV	194.5540, -71.2651, -55.7369
Hunter-Lab	87.3518, -59.8756, 50.7657

Details

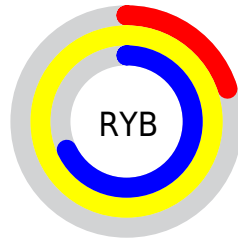
The CIELCh color **90, 102.620, 129.840** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **50, 111.030, 315.369**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 72.872, 124.346**, and **70, 94.644, 132.833** is the 20% darker color. If you saturate the color by 10%, you get **89, 109.078, 130.435**, and if you desaturate by 10%, it is **91, 93.608, 129.696**.

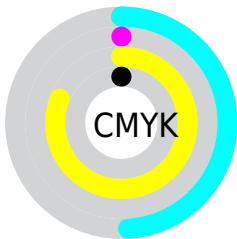
Distribution



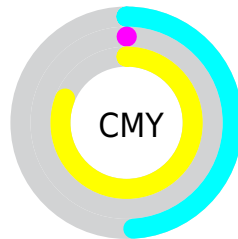
- Red (51%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (68%)



- Cyan (49%)
- Magenta (0%)
- Yellow (81%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 102.620, 129.840 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, 102.620, 129.840 by changing the saturation by 10% instead.


 90, 102.620,
129.840


 90, 102.620,
129.840


 100, 102.620,
129.840


 80, 102.620,
129.840


 70, 102.620,
129.840

 60, 102.620,
129.840

 50, 102.620,
129.840

 40, 102.620,
129.840

 30, 102.620,
129.840

 20, 102.620,

129.840

■ 10, 102.620,
129.840

■ 0, 102.620,
129.840

■ 90, 102.620,
129.840

■ 90, 102.620,
129.840

■ 89, 109.078,
130.435

■ 91, 93.608,
129.696

■ 89, 112.874,
131.381

■ 92, 82.599,
129.876

■ 93, 70.203,
130.252

■ 94, 56.919,
130.724

■ 95, 43.113,
131.229

■ 97, 29.039,
131.727

■ 98, 14.879,
132.201

■ 100, 0.758,
132.859

■ 100, 0.237,
323.145

Harmonies

Complementary

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



90, 102.620, 129.840



50, 111.030, 315.369

Rectangle

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



90, 102.620, 129.840



90, 102.620, 179.840



90, 102.620, 309.840



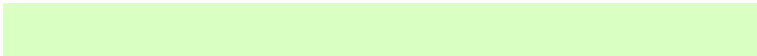
90, 102.620, 359.840

Sweetspot

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



90, 102.620, 129.841



96, 33.956, 131.557



77, 73.113, 73.606



51, 23.315, 131.379



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, 102.620, 129.841



89, 111.928, 131.075



88, 106.851, 138.868



52, 8.027, 132.249



69, 90.748, 131.123



23, 40.301, 129.743

Inverse Universe

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



50, 111.030, 315.369



45, 121.152, 314.548



61, 101.530, 331.811



49, 8.114, 313.029



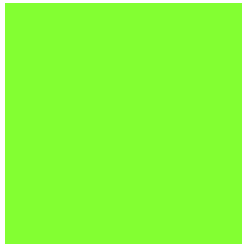
33, 98.304, 314.513



7, 44.646, 315.801

Previews

White Background



This preview shows how the CIE LCh color 90, 102.620, 129.840 looks on a white background.

Color Contrast Check

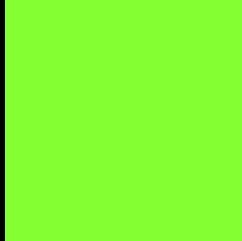
Large Text (above 18pt) WCAG AA × Fail

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, 102.620, 129.840 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

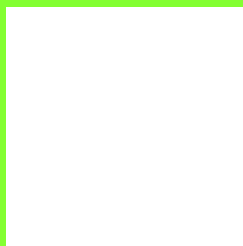
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 102.620, 129.840

Background



This preview shows how black text looks on a background with the CIELCh color 90, 102.620, 129.840.

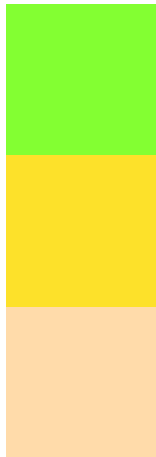


This preview shows how white text looks on a background with the CIELCh color 90, 102.620, 129.840.

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, 102.620, 129.840

Protanopia

89, 83.282, 94.969

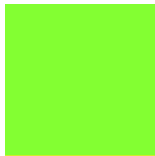
Deuteranopia

89, 29.301, 78.803



Tritanopia
90, 23.667, 221.598

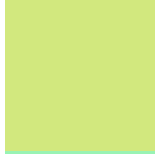
Trichromacy



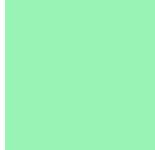
Original Color
90, 102.620, 129.840



Protanomaly
89, 86.116, 111.136

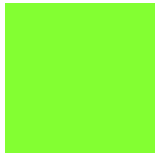


Deuteranomaly
88, 54.037, 115.236

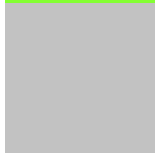


Tritanomaly
89, 45.642, 151.088

Monochromacy



Original Color
90, 102.620, 129.840



Achromatopsia
78, 0.009, 296.813



Achromatomaly
82, 42.757, 130.878

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 102.620, 129.840 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(131, 255, 50)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 50)  
}
```

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(131, 255, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 102.620, 129.840 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(131, 255, 50) }
```

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

```
.border{ border-color:rgb(131, 255, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 255, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 255, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 255, 50);  
box-shadow:4px 4px 4px 4px rgb(131, 255,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 102.620, 129.840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 255, 50) }
```

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

```
.background{ background-color: rgb(131,  
255, 50) }
```

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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