

Converting Colors

CIELCh(90, 99.125, 130.809)

Have a look what the booklet for
CIELCh(90, 99.125, 130.809)
contains.

CIELCh(90, 99.008, 130.820)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(90, 99.008, 130.820)

Conversions

Conversions Part 1

Format	Color
Hex	83FE3F
RGB	131, 254, 63
RGB Percent	51%, 100%, 25%
CMY	0.4849, 0.0026, 0.7515
CMYK	0.48, 0.00, 0.75, 0.00
HSL	99°, 99%, 62%
HSV	99°, 75%, 100%
XYZ	45.8641, 76.3034, 17.0656
YIQ	195.4490, -11.9970, -85.4770

Conversions

Conversions Part 2

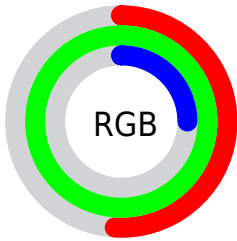
Format	Color
RYB	63, 254, 186
Decimal	8650303
CIELab	90.00, -64.72, 74.93
CIELCh	90, 99.008, 130.820
Yxy	76.3034, 0.3294, 0.5480
Android (android.graphics.Color)	4286840383 (0xFF83FE3F)
YUV	195.4490, -65.2974, -56.5218
Hunter-Lab	87.3518, -59.1441, 49.5630

Details

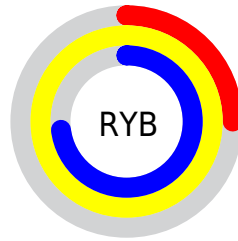
The CIELCh color **90, 99.008, 130.820** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **53, 105.380, 316.573**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 69.317, 125.855**, and **70, 94.129, 132.695** is the 20% darker color. If you saturate the color by 10%, you get **89, 106.975, 131.089**, and if you desaturate by 10%, it is **91, 88.733, 130.928**.

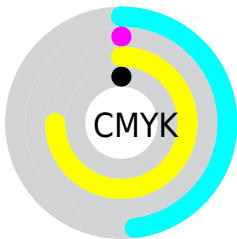
Distribution



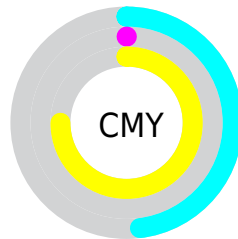
- Red (51%)
- Green (100%)
- Blue (25%)



- Red (25%)
- Yellow (100%)
- Blue (73%)



- Cyan (48%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 99.008, 130.820 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, 99.008, 130.820 by changing the saturation by 10% instead.


 90, 99.008,
130.820


 90, 99.008,
130.820


 100, 99.008,
130.820


 80, 99.008,
130.820

 70, 99.008,
130.820

 60, 99.008,
130.820


 50, 99.008,
130.820

 40, 99.008,
130.820


 30, 99.008,
130.820


 20, 99.008,


130.820


 10, 99.008,
130.820


 0, 99.008, 130.820


 90, 99.008,
130.820


 90, 99.008,
130.820


 89, 106.975,
131.089

 91, 88.733,
130.928

 89, 112.205,
131.824

 92, 76.775,
131.274

 89, 113.968,
132.293

 93, 63.702,
131.747

 94, 49.943,
132.267

■ 96, 35.808,
132.787

■ 97, 21.517,
133.282

■ 99, 7.223, 133.751

100, 0.428,
323.733

Harmonies

Complementary

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



90, 99.008, 130.820



53, 105.380, 316.573

Rectangle

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



90, 99.008, 130.820



90, 99.008, 180.820



90, 99.008, 310.820



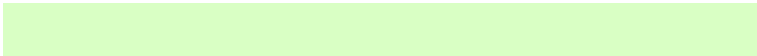
90, 99.008, 0.820

Sweetspot

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



90, 99.008, 130.821



96, 32.905, 132.893



80, 69.347, 77.609



51, 22.768, 132.709



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, 99.008, 130.821



89, 110.123, 131.391



88, 100.006, 140.438



52, 8.112, 133.544



68, 91.718, 132.051



23, 40.735, 130.773

Inverse Universe

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



53, 105.380, 316.573



48, 117.315, 316.141



62, 95.842, 332.902



49, 8.191, 314.320



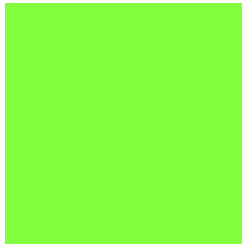
34, 97.515, 315.633



8, 44.456, 316.912

Previews

White Background



This preview shows how the CIE LCh color 90, 99.008, 130.820 looks on a white background.

Color Contrast Check

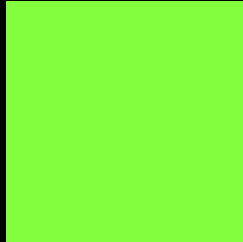
Large Text (above 18pt) WCAG AA × Fail

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, 99.008, 130.820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

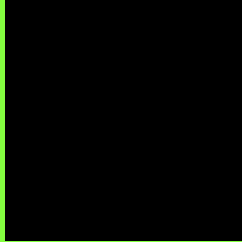
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

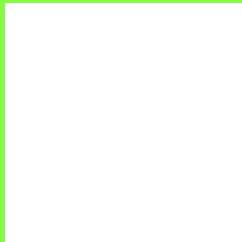
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 99.008, 130.820

Background



This preview shows how black text looks on a background with the CIELCh color 90, 99.008, 130.820.

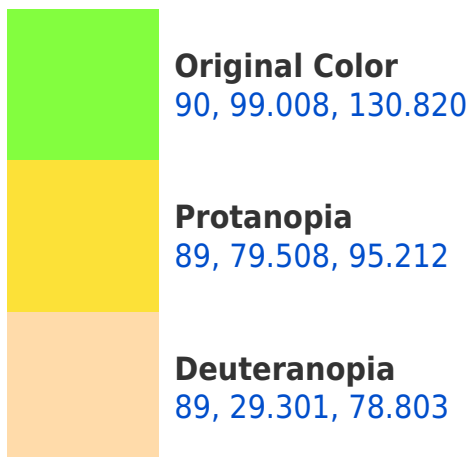


This preview shows how white text looks on a background with the CIELCh color 90, 99.008, 130.820.

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
90, 23.667, 221.598

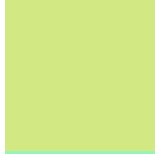
Trichromacy



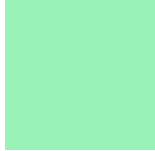
Original Color
90, 99.008, 130.820



Protanomaly
89, 82.391, 111.748



Deuteranomaly
88, 51.713, 115.812

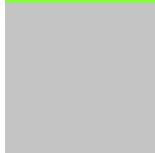


Tritanomaly
89, 43.701, 153.307

Monochromacy



Original Color
90, 99.008, 130.820



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 39.946, 132.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 99.008, 130.820 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, 254, 63)` looks like.

```
.text, #text, p{  
    color:rgb(131, 254, 63)  
}
```

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, 254, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 254, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 99.008, 130.820 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, 254, 63) }
```

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

```
.border{ border-color:rgb(131, 254, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 254, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 254, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 254, 63);  
box-shadow:4px 4px 4px 4px rgb(131, 254,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 99.008, 130.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 254, 63) }
```

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

```
.background{ background-color: rgb(131,  
254, 63) }
```

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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