

Converting Colors

CIELCh(90, 98.331, 130.001)

Have a look what the booklet for
CIELCh(90, 98.331, 130.001)
contains.

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Color

CIELCh(90, 98.530, 130.004)

Conversions

Conversions Part 1

Format	Color
Hex	88FE3E
RGB	136, 254, 62
RGB Percent	53%, 100%, 24%
CMY	0.4676, 0.0048, 0.7578
CMYK	0.47, 0.00, 0.76, 0.00
HSL	97°, 99%, 62%
HSV	97°, 76%, 100%
XYZ	46.3503, 76.3034, 16.8067
YIQ	196.8300, -8.6960, -84.7280

Conversions

Conversions Part 2

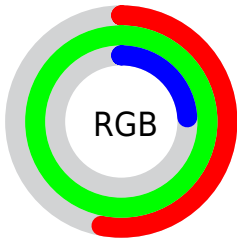
Format	Color
RYB	62, 254, 180
Decimal	8977982
CIELab	90.00, -63.34, 75.47
CIELCh	90, 98.530, 130.004
Yxy	76.3034, 0.3324, 0.5471
Android (android.graphics.Color)	4287168062 (0xFF88FE3E)
YUV	196.8300, -66.4712, -53.3479
Hunter-Lab	87.3518, -58.1506, 49.7387

Details

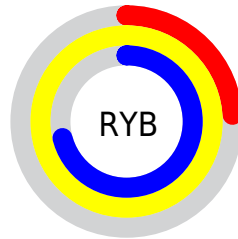
The CIELCh color **90, 98.530, 130.004** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **52, 105.982, 315.712**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 69.050, 124.315**, and **70, 93.285, 131.934** is the 20% darker color. If you saturate the color by 10%, you get **89, 106.290, 130.351**, and if you desaturate by 10%, it is **91, 88.462, 130.050**.

Distribution



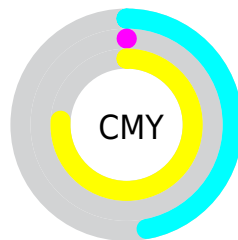
- Red (53%)
- Green (100%)
- Blue (24%)



- Red (24%)
- Yellow (100%)
- Blue (71%)



- Cyan (47%)
- Magenta (0%)
- Yellow (76%)
- Black (0%)



- Cyan (47%)
- Magenta (0%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 98.530, 130.004 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, 98.530, 130.004 by changing the saturation by 10% instead.

■ 90, 98.530,
130.004

■ 90, 98.530,
130.004

■ 100, 98.530,
130.004

■ 80, 98.530,
130.004

■ 70, 98.530,
130.004

■ 60, 98.530,
130.004


■ 50, 98.530,
130.004

■ 40, 98.530,
130.004


■ 30, 98.530,
130.004


■ 20, 98.530,


130.004


 10, 98.530,
130.004


 0, 98.530, 130.004


 90, 98.530,
130.004


 90, 98.530,
130.004


 89, 106.290,
130.351


 91, 88.462,
130.050

 89, 111.342,
131.176

 92, 76.701,
130.350

 89, 112.893,
131.618

 93, 63.814,
130.791

 94, 50.232,
131.291

■ 95, 36.264,
131.800

■ 97, 22.127,
132.289

■ 99, 7.972, 132.755

100, 0.764,
324.063

Harmonies

Complementary

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



90, 98.530, 130.004



52, 105.982, 315.712

Rectangle

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



90, 98.530, 130.004



90, 98.530, 180.004



90, 98.530, 310.004



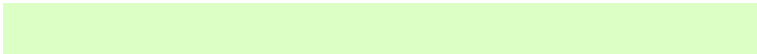
90, 98.530, 0.004

Sweetspot

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



90, 98.530, 130.005



96, 32.632, 131.933



78, 69.097, 74.540



51, 22.578, 131.752



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, 98.530, 130.005



89, 109.735, 130.732



88, 102.368, 139.532



52, 8.048, 132.577



69, 90.997, 131.367



23, 40.411, 130.010

Inverse Universe

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



52, 105.982, 315.712



47, 118.407, 315.242



62, 98.298, 331.569



49, 8.133, 313.355



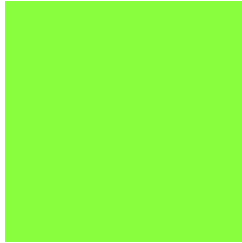
33, 98.103, 314.787



7, 44.604, 316.079

Previews

White Background



This preview shows how the CIE LCh color 90, 98.530, 130.004 looks on a white background.

Color Contrast Check

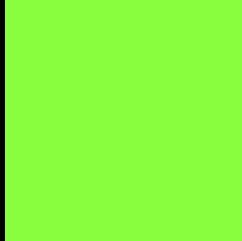
Large Text (above 18pt) WCAG AA × Fail

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, 98.530, 130.004 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

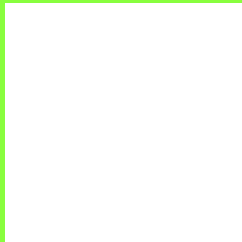
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 98.530, 130.004

Background



This preview shows how black text looks on a background with the CIELCh color 90, 98.530, 130.004.

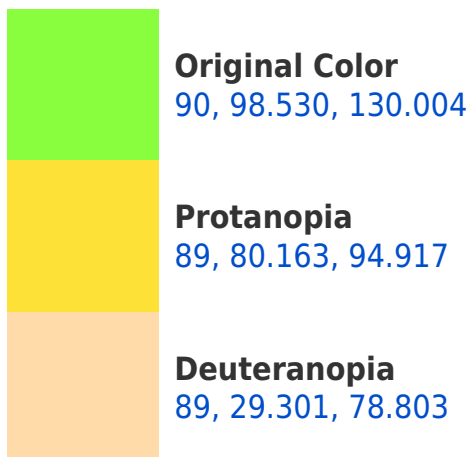


This preview shows how white text looks on a background with the CIELCh color 90, 98.530, 130.004.

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](#).

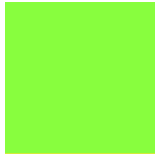
Dichromacy





Tritanopia
90, 23.075, 223.738

Trichromacy



Original Color
90, 98.530, 130.004



Protanomaly
89, 82.446, 110.851

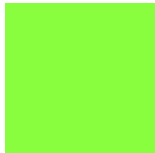


Deuteranomaly
89, 51.572, 114.950

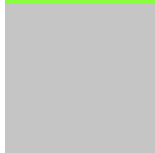


Tritanomaly
89, 42.449, 152.723

Monochromacy



Original Color
90, 98.530, 130.004



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 40.044, 131.477

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 98.530, 130.004 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(136, 254, 62)` looks like.

```
.text, #text, p{  
    color:rgb(136, 254, 62)  
}
```

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(136, 254, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 254, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 98.530, 130.004 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(136, 254, 62) }
```

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

```
.border{ border-color:rgb(136, 254, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 254, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 254, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 254, 62);  
box-shadow:4px 4px 4px 4px rgb(136, 254,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 98.530, 130.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 254, 62) }
```

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

```
.background{ background-color: rgb(136,  
254, 62) }
```

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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