

Converting Colors

CIELCh(90, 96.283, 131.884)

Have a look what the booklet for
CIELCh(90, 96.283, 131.884)
contains.

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Color

CIELCh(90, 96.191, 131.784)

Conversions

Conversions Part 1

Format	Color
Hex	83FE49
RGB	131, 254, 73
RGB Percent	51%, 100%, 29%
CMY	0.4856, 0.0033, 0.7131
CMYK	0.48, 0.00, 0.71, 0.00
HSL	101°, 99%, 64%
HSV	101°, 71%, 100%
XYZ	46.0840, 76.3034, 18.6304
YIQ	196.5890, -15.2070, -82.3670

Conversions

Conversions Part 2

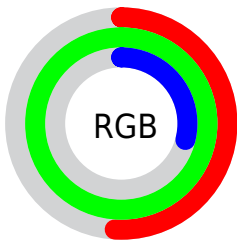
Format	Color
RYB	73, 254, 196
Decimal	8650313
CIELab	90.00, -64.09, 71.73
CIElCh	90, 96.191, 131.784
Yxy	76.3034, 0.3268, 0.5411
Android (android.graphics.Color)	4286840393 (0xFF83FE49)
YUV	196.5890, -60.9294, -57.5216
Hunter-Lab	87.3518, -58.6948, 48.5009

Details

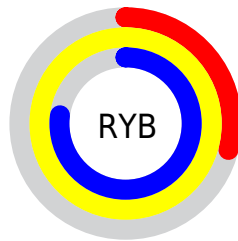
The CIELCh color **90, 96.191, 131.784** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **56, 101.109, 317.640**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 65.955, 127.080**, and **70, 94.012, 132.592** is the 20% darker color. If you saturate the color by 10%, you get **89, 105.171, 131.824**, and if you desaturate by 10%, it is **91, 85.105, 132.057**.

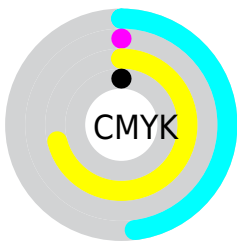
Distribution



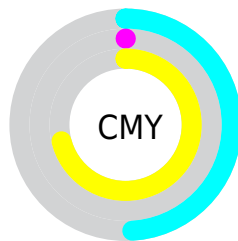
- Red (51%)
- Green (100%)
- Blue (29%)



- Red (29%)
- Yellow (100%)
- Blue (77%)



- Cyan (48%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 96.191, 131.784 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, 96.191, 131.784 by changing the saturation by 10% instead.


 90, 96.191,
131.784


 90, 96.191,
131.784

 100, 96.191,
131.784


 80, 96.191,
131.784

 70, 96.191,
131.784

 60, 96.191,
131.784

 50, 96.191,
131.784

 40, 96.191,
131.784

 30, 96.191,
131.784

 20, 96.191,

131.784

■ 10, 96.191,
131.784

■ 0, 96.191, 131.784

■ 90, 96.191,
131.784

■ 90, 96.191,
131.784

■ 89, 105.171,
131.824

■ 91, 85.105,
132.057

■ 89, 111.489,
132.293

■ 92, 72.542,
132.508

■ 88, 114.910,
133.019

■ 93, 59.025,
133.040

■ 94, 44.943,
133.589

■ 96, 30.577,
134.117

■ 98, 16.124,
134.609

■ 99, 1.725, 135.155

100, 0.531,
323.877

Harmonies

Complementary

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



90, 96.191, 131.784



56, 101.109, 317.640

Rectangle

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



90, 96.191, 131.784



90, 96.191, 181.784



90, 96.191, 311.784



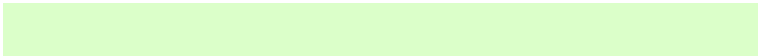
90, 96.191, 1.784

Sweetspot

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



90, 96.191, 131.785



96, 30.351, 134.128



82, 66.977, 81.169



51, 20.545, 133.985



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, 96.191, 131.785



89, 108.178, 131.947



89, 94.116, 141.929



52, 8.192, 134.690



68, 92.532, 132.794



23, 41.113, 131.625

Inverse Universe

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



56, 101.109, 317.640



51, 113.714, 317.420



63, 90.879, 334.067



49, 8.264, 315.468



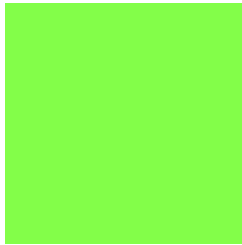
35, 96.836, 316.703



8, 44.231, 317.920

Previews

White Background



This preview shows how the CIE LCh color 90, 96.191, 131.784 looks on a white background.

Color Contrast Check

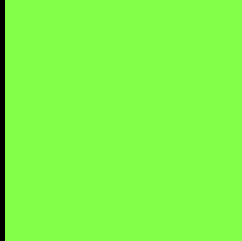
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 90, 96.191, 131.784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

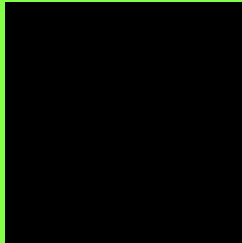
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

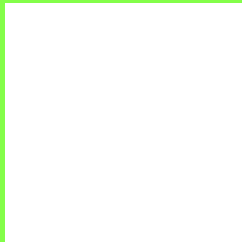
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 96.191, 131.784

Background



This preview shows how black text looks on a background with the CIELCh color 90, 96.191, 131.784.

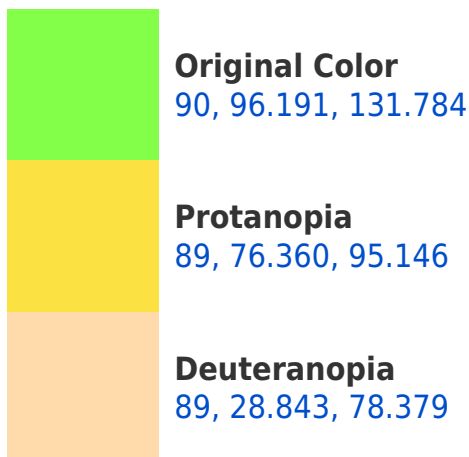


This preview shows how white text looks on a background with the CIELCh color 90, 96.191, 131.784.

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](#).

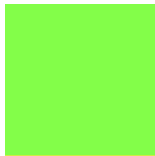
Dichromacy





Tritanopia
90, 23.667, 221.598

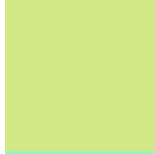
Trichromacy



Original Color
90, 96.191, 131.784



Protanomaly
89, 79.259, 112.286

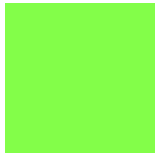


Deuteranomaly
89, 49.835, 116.303

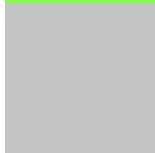


Tritanomaly
89, 42.183, 155.219

Monochromacy



Original Color
90, 96.191, 131.784



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 38.529, 133.723

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 96.191, 131.784 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, 73)` looks like.

```
.text, #text, p{  
    color:rgb(131, 254, 73)  
}
```

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, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 254, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 96.191, 131.784 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, 73) }
```

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

```
.border{ border-color:rgb(131, 254, 73) }
```

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, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 254, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 254, 73);  
box-shadow:4px 4px 4px 4px rgb(131, 254,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 96.191, 131.784 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, 73) }
```

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

```
.background{ background-color: rgb(131,  
254, 73) }
```

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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