

Converting Colors

CIELCh(79, 70.816, 131.772)

Have a look what the booklet for
CIELCh(79, 70.816, 131.772)
contains.

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Color

CIELCh(79, 70.770, 131.769)

Conversions

Conversions Part 1

Format	Color
Hex	85D85B
RGB	133, 216, 91
RGB Percent	52%, 85%, 36%
CMY	0.4780, 0.1524, 0.6427
CMYK	0.38, 0.00, 0.58, 0.15
HSL	100°, 62%, 60%
HSV	100°, 58%, 85%
XYZ	36.1726, 54.9284, 18.6191
YIQ	176.9330, -9.3430, -56.4710

Conversions

Conversions Part 2

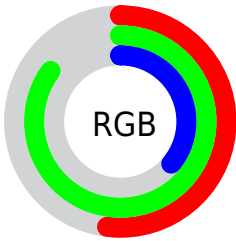
Format	Color
RYB	91, 216, 174
Decimal	8771675
CIELab	79.00, -47.14, 52.78
CIELCh	79, 70.770, 131.769
Yxy	54.9284, 0.3297, 0.5006
Android (android.graphics.Color)	4286961755 (0xFF85D85B)
YUV	176.9330, -42.3650, -38.5292
Hunter-Lab	74.1137, -42.5785, 36.9845

Details

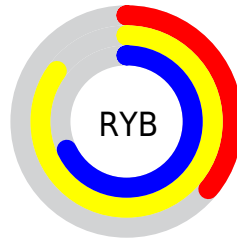
The CIELCh color **79, 70.770, 131.769** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **53, 74.254, 316.944**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 60.252, 130.145**, and **59, 70.452, 131.842** is the 20% darker color. If you saturate the color by 10%, you get **78, 81.026, 131.440**, and if you desaturate by 10%, it is **80, 59.434, 132.240**.

Distribution



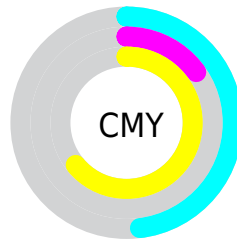
- Red (52%)
- Green (85%)
- Blue (36%)



- Red (36%)
- Yellow (85%)
- Blue (68%)



- Cyan (38%)
- Magenta (0%)
- Yellow (58%)
- Black (15%)





- Cyan (48%)
- Magenta (15%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 70.770, 131.769 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 79, 70.770, 131.769 by changing the saturation by 10% instead.

 79, 70.770,
131.769

 79, 70.770,
131.769


 100, 70.770,
131.769


 69, 70.770,
131.769


 99, 70.770,
131.769

 59, 70.770,
131.769

 49, 70.770,
131.769

 39, 70.770,
131.769

 29, 70.770,
131.769

 19, 70.770,
131.769

 9, 70.770, 131.769

0, 70.770, 131.769

79, 70.770,
131.769

79, 70.770,
131.769

78, 81.026,
131.440

80, 59.434,
132.240

77, 89.689,
131.366

81, 47.419,
132.765

77, 96.227,
131.679

82, 35.016,
133.295

77, 100.406,
132.425

84, 22.436,
133.800

76, 101.148,
132.588

85, 9.827, 134.272

87, 2.705, 314.602

88, 15.086,

315.025

■ 90, 23.103,
320.030

■ 91, 24.349,
325.272

Harmonies

Complementary

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



79, 70.770, 131.769



53, 74.254, 316.944

Rectangle

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



79, 70.770, 131.769



79, 70.770, 181.769



79, 70.770, 311.769



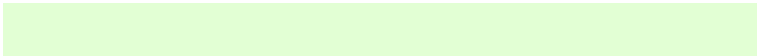
79, 70.770, 1.769

Sweetspot

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



79, 70.771, 131.770



97, 24.446, 133.833



73, 47.697, 81.937



51, 16.357, 133.734



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



79, 70.771, 131.770



91, 93.726, 131.403



78, 70.458, 143.461



44, 7.067, 134.199



62, 84.665, 132.367



15, 29.236, 134.045

Inverse Universe

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



53, 74.254, 316.944



57, 98.920, 317.160



58, 69.606, 332.449



42, 7.132, 314.959



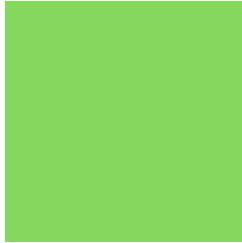
31, 89.279, 316.310



4, 30.327, 315.250

Previews

White Background



This preview shows how the CIELCh color 79, 70.770, 131.769 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 79, 70.770, 131.769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

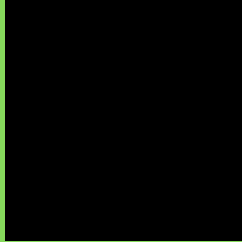
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 79, 70.770, 131.769

Background



This preview shows how black text looks on a background with the CIELCh color 79, 70.770, 131.769.

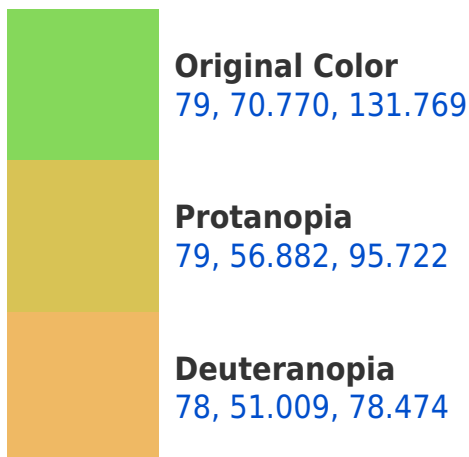


This preview shows how white text looks on a background with the CIELCh color 79, 70.770, 131.769.

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
79, 17.925, 227.073

Trichromacy



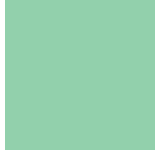
Original Color
79, 70.770, 131.769



Protanomaly
78, 58.983, 111.852



Deuteranomaly
78, 51.005, 103.507

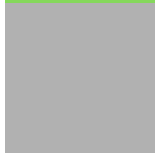


Tritanomaly
79, 29.634, 156.932

Monochromacy



Original Color
79, 70.770, 131.769



Achromatopsia
72, 0.009, 296.813



Achromatomaly
74, 26.831, 133.609

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 70.770, 131.769 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(133, 216, 91)` looks like.

```
.text, #text, p{  
    color:rgb(133, 216, 91)  
}
```

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(133, 216, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 216, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 70.770, 131.769 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(133, 216, 91) }
```

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

```
.border{ border-color:rgb(133, 216, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 216, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 216, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 216, 91);  
box-shadow:4px 4px 4px 4px rgb(133, 216,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 70.770, 131.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 216, 91) }
```

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

```
.background{ background-color: rgb(133,  
216, 91) }
```

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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