

# Converting Colors

CIELCh(88, 71.021, 140.620)

Have a look what the booklet for  
CIELCh(88, 71.021, 140.620)  
contains.

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# Color

**CIELCh(88, 70.812, 140.687)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83F583
RGB	131, 245, 131
RGB Percent	51%, 96%, 51%
CMY	0.4846, 0.0376, 0.4848
CMYK	0.46, 0.00, 0.46, 0.04
HSL	120°, 86%, 74%
HSV	120°, 46%, 96%
XYZ	46.3261, 72.0653, 33.0768
YIQ	197.9180, -31.3500, -59.6220

# Conversions

## Conversions Part 2

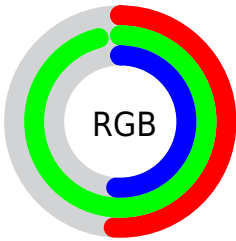
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">131, 245, 245</a>
Decimal	<a href="#">8648067</a>
CIELab	<a href="#">88.00, -54.79, 44.86</a>
CIElCh	<a href="#">88, 70.812, 140.687</a>
Yxy	<a href="#">72.0653, 0.3058, 0.4758</a>
Android (android.graphics.Color)	<a href="#">4286838147 (0xFF83F583)</a>
YUV	<a href="#">197.9180, -32.9906, -58.6871</a>
Hunter-Lab	<a href="#">84.8913, -51.1503, 36.3223</a>

# Details

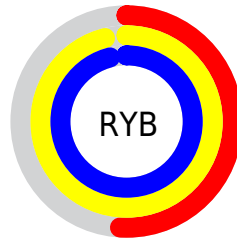
The CIELCh color **88, 70.812, 140.687** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **71, 70.522, 326.890**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 42.441, 141.167**, and **68, 70.802, 140.692** is the 20% darker color. If you saturate the color by 10%, you get **87, 84.280, 139.567**, and if you desaturate by 10%, it is **89, 56.235, 141.715**.

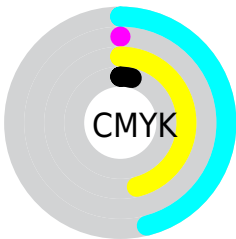
# Distribution



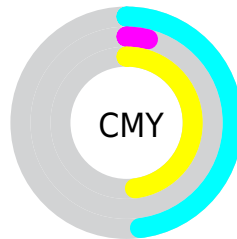
- Red (51%)
- Green (96%)
- Blue (51%)



- Red (51%)
- Yellow (96%)
- Blue (96%)



- Cyan (46%)
- Magenta (0%)
- Yellow (46%)
- Black (4%)



- Cyan (48%)
- Magenta (4%)
- Yellow (48%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 70.812, 140.687 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 88, 70.812, 140.687 by changing the saturation by 10% instead.



 88, 70.812,  
140.687

 88, 70.812,  
140.687


 100, 70.812,  
140.687


 78, 70.812,  
140.687

 68, 70.812,  
140.687

 58, 70.812,  
140.687

 48, 70.812,  
140.687

 38, 70.812,  
140.687

 28, 70.812,  
140.687

 18, 70.812,

140.687


 8, 70.812, 140.687


 0, 70.812, 140.687


 88, 70.812,  
140.687


 88, 70.812,  
140.687

 87, 84.280,  
139.567


 89, 56.235,  
141.715

 86, 96.080,  
138.422


 91, 41.004,  
142.623

 85, 105.583,  
137.369

 93, 25.482,  
143.408

 85, 112.190,  
136.560


 95, 9.946, 144.090

 85, 115.620,

 98, 5.403, 324.566

136.113

 98, 5.964, 324.597

 85, 116.353,  
136.015

# Harmonies

# Complementary

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



88, 70.812, 140.687



71, 70.522, 326.890

# Rectangle

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



88, 70.812, 140.687



88, 70.812, 190.687



88, 70.812, 320.687



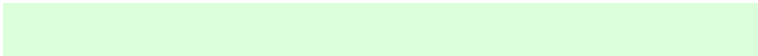
88, 70.812, 10.687

# Sweetspot

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



88, 70.813, 140.687



97, 22.326, 143.582



94, 55.782, 104.965



51, 15.427, 143.428



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



88, 70.813, 140.687



90, 86.297, 139.608



89, 49.204, 157.962



50, 8.745, 143.892



66, 94.551, 136.015



20, 41.092, 137.394



# Inverse Universe

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



71, 70.522, 326.890



70, 85.553, 327.305



69, 51.588, 347.559



48, 8.758, 324.937



44, 91.229, 328.221

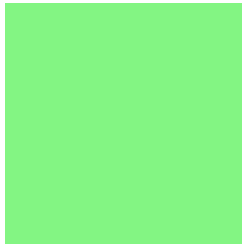


11, 40.561, 328.223



# Previews

## White Background



This preview shows how the CIELCh color 88, 70.812, 140.687 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 88, 70.812, 140.687 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

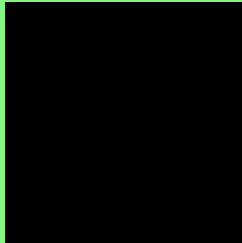
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

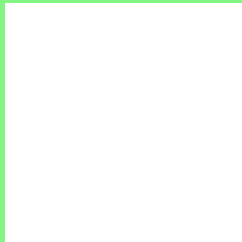
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 88, 70.812, 140.687**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 88, 70.812, 140.687.

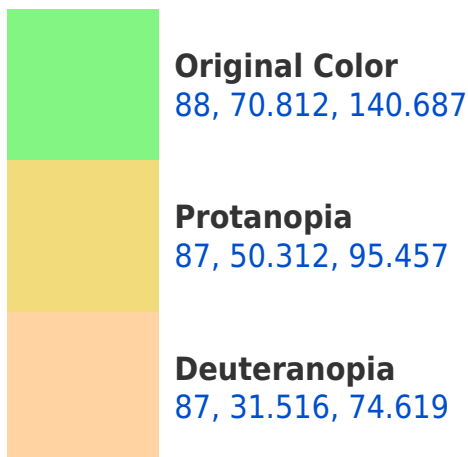


This preview shows how white text looks on a background with the CIELCh color 88, 70.812, 140.687.

# 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





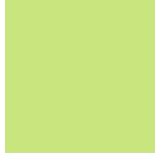


**Tritanopia**  
88, 25.051, 221.561

# Trichromacy



**Original Color**  
88, 70.812, 140.687



**Protanomaly**  
87, 53.688, 117.910



**Deuteranomaly**  
87, 37.916, 115.407

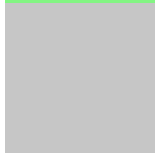


**Tritanomaly**  
88, 33.847, 170.512

# Monochromacy



**Original Color**  
88, 70.812, 140.687



**Achromatopsia**  
80, 0.010, 296.813



**Achromatomaly**  
82, 26.529, 143.232

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 70.812, 140.687 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, 245, 131)` looks like.

```
.text, #text, p{  
    color:rgb(131, 245, 131)  
}
```

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, 245, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 245, 131) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 70.812, 140.687 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, 245, 131) }
```

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

```
.border{ border-color:rgb(131, 245, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 245, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 245, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 245, 131);  
box-shadow:4px 4px 4px 4px rgb(131, 245,  
131) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 70.812, 140.687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 245, 131) }
```

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

```
.background{ background-color: rgb(131,  
245, 131) }
```

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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