

Converting Colors

CIELCh(88, 77.591, 140.834)

Have a look what the booklet for
CIELCh(88, 77.591, 140.834)
contains.

CIELCh(88, 77.616, 140.830)	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(88, 77.616, 140.830)

Conversions

Conversions Part 1

Format	Color
Hex	76F77A
RGB	118, 247, 122
RGB Percent	46%, 97%, 48%
CMY	0.5356, 0.0298, 0.5201
CMYK	0.52, 0.00, 0.51, 0.03
HSL	122°, 89%, 72%
HSV	122°, 52%, 97%
XYZ	44.4494, 72.0653, 30.1000
YIQ	194.1790, -36.7590, -66.2230

Conversions

Conversions Part 2

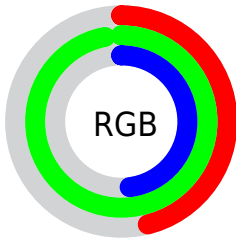
Format	Color
RYB	118, 243, 247
Decimal	7796602
CIELab	88.00, -60.17, 49.02
CIElCh	88, 77.616, 140.830
Yxy	72.0653, 0.3032, 0.4915
Android (android.graphics.Color)	4285986682 (0xFF76F77A)
YUV	194.1790, -35.5842, -66.8090
Hunter-Lab	84.8913, -55.0963, 38.4014

Details

The CIELCh color **88, 77.616, 140.830** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **69, 77.035, 328.066**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 48.632, 141.967**, and **68, 77.912, 140.717** is the 20% darker color. If you saturate the color by 10%, you get **87, 90.177, 139.634**, and if you desaturate by 10%, it is **89, 63.735, 141.943**.

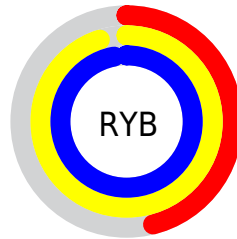
Distribution



Red (46%)

Green (97%)

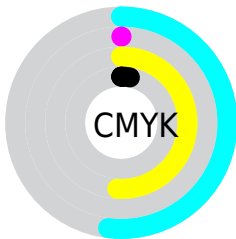
Blue (48%)



Red (46%)

Yellow (95%)

Blue (97%)

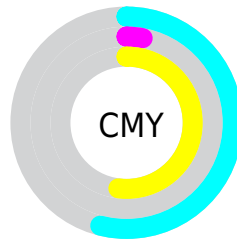


Cyan (52%)

Magenta (0%)

Yellow (51%)

Black (3%)



Cyan (54%)

Magenta (3%)

Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 77.616, 140.830 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, 77.616, 140.830 by changing the saturation by 10% instead.


 88, 77.616,
140.830


 88, 77.616,
140.830


 100, 77.616,
140.830


 78, 77.616,
140.830

 68, 77.616,
140.830

 58, 77.616,
140.830

 48, 77.616,
140.830

 38, 77.616,
140.830

 28, 77.616,
140.830

 18, 77.616,


140.830


 8, 77.616, 140.830


 0, 77.616, 140.830


 88, 77.616,
140.830


 88, 77.616,
140.830


 87, 90.177,
139.634


 89, 63.735,
141.943


 86, 100.869,
138.433


 91, 49.005,
142.934


 86, 109.112,
137.354

 93, 33.816,
143.797

 86, 114.439,
136.542

 95, 18.476,
144.540

 85, 116.577,

 97, 3.219, 145.244

136.188



98, 4.725, 324.541

Harmonies

Complementary

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



88, 77.616, 140.830



69, 77.035, 328.066

Rectangle

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



88, 77.616, 140.830



88, 77.616, 190.830



88, 77.616, 320.830



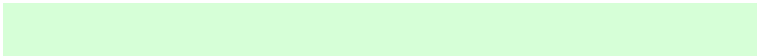
88, 77.616, 10.830

Sweetspot

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



88, 77.617, 140.830



96, 25.012, 144.263



95, 63.287, 106.017



51, 16.899, 144.111



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, 77.617, 140.830



89, 93.416, 139.517



89, 53.404, 158.873



51, 8.711, 144.719



67, 94.954, 136.258



21, 41.823, 137.622

Inverse Universe

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



69, 77.035, 328.066



67, 91.949, 328.537



67, 56.771, 350.476



49, 8.725, 325.777



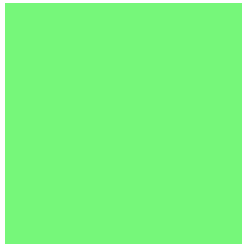
45, 89.970, 329.489



11, 40.830, 329.326

Previews

White Background



This preview shows how the CIE LCh color 88, 77.616, 140.830 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, 77.616, 140.830 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, 77.616, 140.830

Background



This preview shows how black text looks on a background with the CIELCh color 88, 77.616, 140.830.

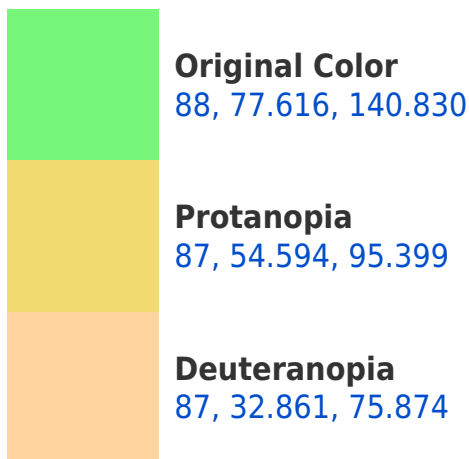


This preview shows how white text looks on a background with the CIELCh color 88, 77.616, 140.830.

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



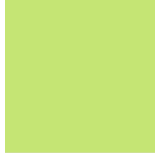


Tritanopia
88, 27.415, 219.282

Trichromacy



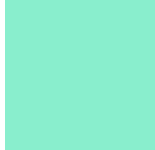
Original Color
88, 77.616, 140.830



Protanomaly
87, 58.149, 118.302



Deuteranomaly
86, 41.263, 117.829

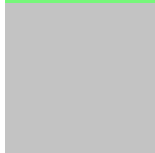


Tritanomaly
87, 37.705, 169.645

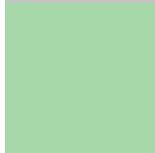
Monochromacy



Original Color
88, 77.616, 140.830



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 29.582, 144.151

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 77.616, 140.830 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(118, 247, 122)` looks like.

```
.text, #text, p{  
    color:rgb(118, 247, 122)  
}
```

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(118, 247, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 247, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 77.616, 140.830 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(118, 247, 122) }
```

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

```
.border{ border-color:rgb(118, 247, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 247, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 247, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 247, 122);  
box-shadow:4px 4px 4px 4px rgb(118, 247,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 77.616, 140.830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 247, 122) }
```

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

```
.background{ background-color: rgb(118,  
247, 122) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor