

Converting Colors

CIELCh(88, 77.532, 140.252)

Have a look what the booklet for
CIELCh(88, 77.532, 140.252)
contains.

CIELCh(88, 77.509, 140.190)	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, 77.509, 140.190)

Conversions

Conversions Part 1

Format	Color
Hex	79F779
RGB	121, 247, 121
RGB Percent	47%, 97%, 47%
CMY	0.5249, 0.0308, 0.5250
CMYK	0.51, 0.00, 0.51, 0.03
HSL	120°, 89%, 72%
HSV	120°, 51%, 97%
XYZ	44.6675, 72.0653, 29.6856
YIQ	194.9620, -34.6500, -65.8980

Conversions

Conversions Part 2

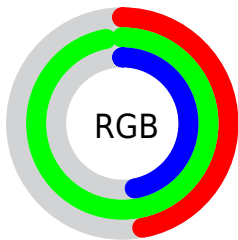
Format	Color
RYB	121, 247, 247
Decimal	7993209
CIELab	88.00, -59.54, 49.62
CIElCh	88, 77.509, 140.190
Yxy	72.0653, 0.3051, 0.4922
Android (android.graphics.Color)	4286183289 (0xFF79F779)
YUV	194.9620, -36.4633, -64.8647
Hunter-Lab	84.8913, -54.6379, 38.6908

Details

The CIELCh color **88, 77.509, 140.190** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **70, 77.043, 327.098**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 48.463, 140.725**, and **68, 77.813, 140.147** is the 20% darker color. If you saturate the color by 10%, you get **87, 90.367, 139.047**, and if you desaturate by 10%, it is **89, 63.293, 141.266**.

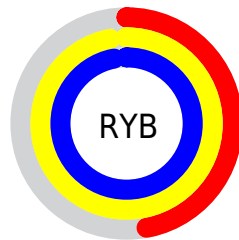
Distribution



Red (47%)

Green (97%)

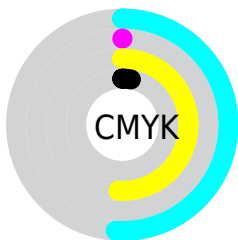
Blue (47%)



Red (47%)

Yellow (97%)

Blue (97%)

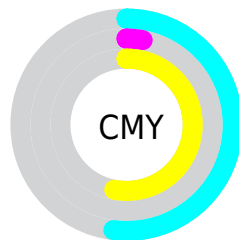


Cyan (51%)

Magenta (0%)

Yellow (51%)

Black (3%)



Cyan (52%)


Magenta (3%)

Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 77.509, 140.190 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, 77.509, 140.190 by changing the saturation by 10% instead.


 88, 77.509,
140.190


 88, 77.509,
140.190


 100, 77.509,
140.190


 78, 77.509,
140.190

 68, 77.509,
140.190

 58, 77.509,
140.190

 48, 77.509,
140.190

 38, 77.509,
140.190


 28, 77.509,
140.190


 18, 77.509,


140.190

 8, 77.509, 140.190


 0, 77.509, 140.190


 88, 77.509,
140.190


 88, 77.509,
140.190


 87, 90.367,
139.047


 89, 63.293,
141.266


 86, 101.264,
137.925


 91, 48.222,
142.231

 86, 109.559,
136.963

 93, 32.704,
143.071

 85, 114.747,
136.309

 95, 17.056,
143.795

 85, 116.971,

 97, 1.513, 144.584

136.016



98, 4.891, 324.549

Harmonies

Complementary

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



88, 77.509, 140.190



70, 77.043, 327.098

Rectangle

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



88, 77.509, 140.190



88, 77.509, 190.190



88, 77.509, 320.190



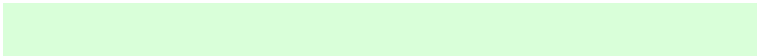
88, 77.509, 10.190

Sweetspot

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



88, 77.510, 140.190



97, 23.933, 143.515



95, 61.100, 104.554



51, 16.341, 143.362



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, 77.510, 140.190



89, 92.674, 139.034



89, 53.843, 157.327



50, 8.745, 143.896



66, 94.552, 136.015



20, 41.093, 137.397

Inverse Universe

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



70, 77.043, 327.098



68, 91.587, 327.500



67, 56.537, 348.217



48, 8.758, 324.941



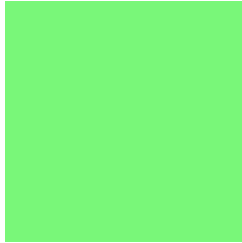
44, 91.228, 328.228



11, 40.561, 328.228

Previews

White Background



This preview shows how the CIE LCh color 88, 77.509, 140.190 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, 77.509, 140.190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

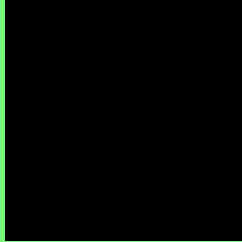
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

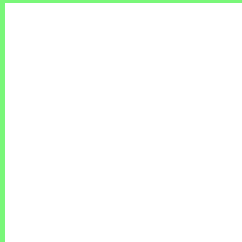
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 77.509, 140.190

Background



This preview shows how black text looks on a background with the CIELCh color 88, 77.509, 140.190.

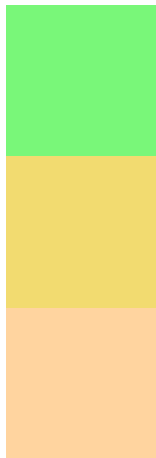


This preview shows how white text looks on a background with the CIELCh color 88, 77.509, 140.190.

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



Original Color
88, 77.509, 140.190

Protanopia
87, 55.054, 95.437

Deuteranopia
87, 32.861, 75.874

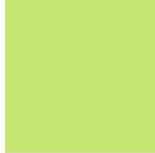


Tritanopia
88, 26.949, 219.696

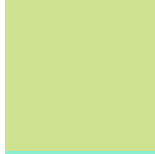
Trichromacy



Original Color
88, 77.509, 140.190



Protanomaly
87, 58.502, 117.803



Deuteranomaly
87, 41.670, 117.146

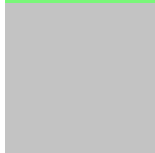


Tritanomaly
87, 37.531, 168.634

Monochromacy



Original Color
88, 77.509, 140.190



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 29.803, 143.048

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 77.509, 140.190 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(121, 247, 121)` looks like.

```
.text, #text, p{  
    color:rgb(121, 247, 121)  
}
```

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(121, 247, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 247, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 77.509, 140.190 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(121, 247, 121) }
```

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

```
.border{ border-color:rgb(121, 247, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 247, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 247, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 247, 121);  
box-shadow:4px 4px 4px 4px rgb(121, 247,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 77.509, 140.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 247, 121) }
```

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

```
.background{ background-color: rgb(121,  
247, 121) }
```

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