

Converting Colors

CIELCh(88, 77.614, 140.783)

Have a look what the booklet for
CIELCh(88, 77.614, 140.783)
contains.

CIELCh(88, 77.452, 140.684)	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, 77.452, 140.684)

Conversions

Conversions Part 1

Format	Color
Hex	77F77A
RGB	119, 247, 122
RGB Percent	47%, 97%, 48%
CMY	0.5321, 0.0302, 0.5205
CMYK	0.52, 0.00, 0.51, 0.03
HSL	121°, 89%, 72%
HSV	121°, 52%, 97%
XYZ	44.5361, 72.0653, 30.0658
YIQ	194.4780, -36.1630, -66.0110

Conversions

Conversions Part 2

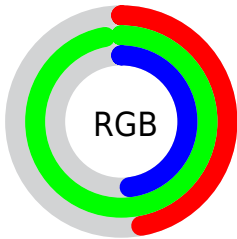
Format	Color
R _Y B	119, 244, 247
Decimal	7862138
CIE Lab	88.00, -59.92, 49.07
CIE LCh	88, 77.452, 140.684
Yxy	72.0653, 0.3037, 0.4914
Android (android.graphics.Color)	4286052218 (0xFF77F77A)
YUV	194.4780, -35.7317, -66.1942
Hunter-Lab	84.8913, -54.9141, 38.4252

Details

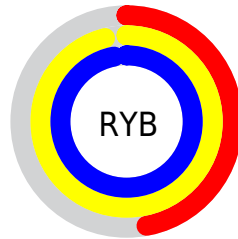
The CIELCh color **88, 77.452, 140.684** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **69, 76.903, 327.821**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 48.434, 141.665**, and **68, 77.802, 140.625** is the 20% darker color. If you saturate the color by 10%, you get **87, 90.101, 139.502**, and if you desaturate by 10%, it is **89, 63.480, 141.787**.

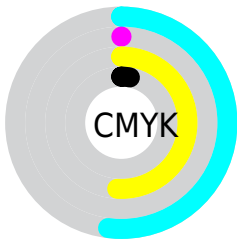
Distribution



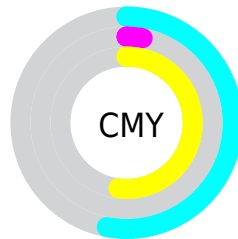
- Red (47%)
- Green (97%)
- Blue (48%)



- Red (47%)
- Yellow (96%)
- Blue (97%)



- Cyan (52%)
- Magenta (0%)
- Yellow (51%)
- Black (3%)



- Cyan (53%)
- Magenta (3%)
- Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 77.452, 140.684 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, 77.452, 140.684 by changing the saturation by 10% instead.

 88, 77.452,
140.684

 88, 77.452,
140.684

 100, 77.452,
140.684

 78, 77.452,
140.684

 68, 77.452,
140.684

 58, 77.452,
140.684

 48, 77.452,
140.684

 38, 77.452,
140.684

 28, 77.452,
140.684

 18, 77.452,


140.684

 8, 77.452, 140.684


 0, 77.452, 140.684

 88, 77.452,
140.684


 88, 77.452,
140.684


 87, 90.101,
139.502


 89, 63.480,
141.787


 86, 100.864,
138.319


 91, 48.661,
142.770

 86, 109.148,
137.266

 93, 33.391,
143.626

 85, 114.473,
136.489

 95, 17.977,
144.363

 85, 116.660,

 97, 2.654, 145.081

136.147



98, 4.787, 324.544

Harmonies

Complementary

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



88, 77.452, 140.684



69, 76.903, 327.821

Rectangle

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



88, 77.452, 140.684



88, 77.452, 190.684



88, 77.452, 320.684



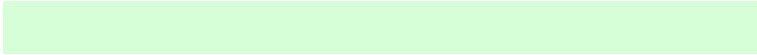
88, 77.452, 10.684

Sweetspot

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



88, 77.453, 140.684



96, 25.141, 144.061



95, 62.851, 106.048



51, 16.985, 143.909



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, 77.453, 140.684



89, 92.634, 139.460



89, 53.040, 158.929



50, 8.609, 144.517



66, 94.125, 136.202



20, 40.617, 137.813

Inverse Universe

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



69, 76.903, 327.821



67, 91.311, 328.259



67, 56.376, 350.413



48, 8.622, 325.570



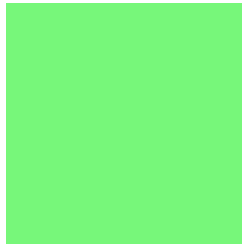
44, 89.589, 329.173



11, 39.928, 329.046

Previews

White Background



This preview shows how the CIELCh color 88, 77.452, 140.684 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, 77.452, 140.684 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, 77.452, 140.684

Background



This preview shows how black text looks on a background with the CIELCh color 88, 77.452, 140.684.

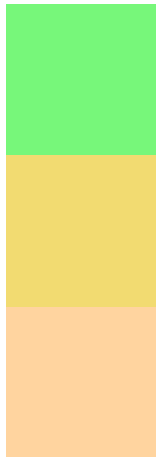


This preview shows how white text looks on a background with the CIELCh color 88, 77.452, 140.684.

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, 77.452, 140.684

Protanopia

87, 54.594, 95.399

Deuteranopia

87, 32.861, 75.874

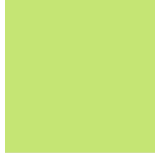


Tritanopia
88, 27.182, 219.487

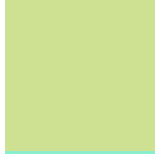
Trichromacy



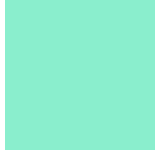
Original Color
88, 77.452, 140.684



Protanomaly
87, 58.149, 118.302



Deuteranomaly
87, 41.183, 117.300

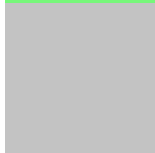


Tritanomaly
87, 37.467, 169.477

Monochromacy



Original Color
88, 77.452, 140.684



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, 77.452, 140.684 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(119, 247, 122)` looks like.

```
.text, #text, p{  
    color:rgb(119, 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(119, 247, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 247, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 77.452, 140.684 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(119, 247, 122) }
```

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

```
.border{ border-color:rgb(119, 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(119, 247, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 247, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 247, 122);  
box-shadow:4px 4px 4px 4px rgb(119, 247,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 77.452, 140.684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 247, 122) }
```

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

```
.background{ background-color: rgb(119,  
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