

Converting Colors

CIELCh(88, 57.492, 149.331)

Have a look what the booklet for
CIELCh(88, 57.492, 149.331)
contains.

CIELCh(88, 57.461, 149.353)	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, 57.461, 149.353)

Conversions

Conversions Part 1

Format	Color
Hex	83F4A3
RGB	131, 244, 163
RGB Percent	51%, 96%, 64%
CMY	0.4868, 0.0437, 0.3613
CMYK	0.46, 0.00, 0.33, 0.04
HSL	137°, 84%, 73%
HSV	137°, 46%, 96%
XYZ	48.2422, 72.0653, 45.9532
YIQ	200.9790, -41.3470, -49.1470

Conversions

Conversions Part 2

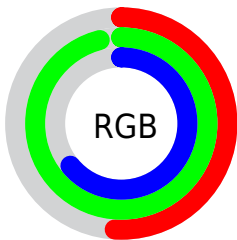
Format	Color
RYB	131, 219, 244
Decimal	8647843
CIELab	88.00, -49.44, 29.29
CIELCh	88, 57.461, 149.353
Yxy	72.0653, 0.2902, 0.4334
Android (android.graphics.Color)	4286837923 (0xFF83F4A3)
YUV	200.9790, -18.7236, -61.3716
Hunter-Lab	84.8913, -47.1214, 27.3291

Details

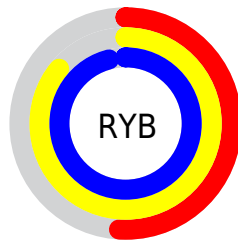
The CIELCh color **88, 57.461, 149.353** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **70, 57.886, 337.124**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 29.941, 158.250**, and **68, 57.325, 149.488** is the 20% darker color. If you saturate the color by 10%, you get **87, 68.731, 148.001**, and if you desaturate by 10%, it is **89, 45.516, 150.530**.

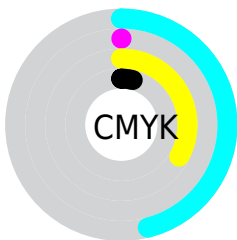
Distribution



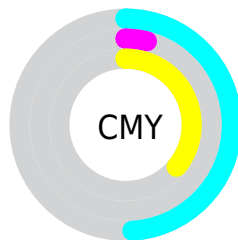
- Red (51%)
- Green (96%)
- Blue (64%)



- Red (51%)
- Yellow (86%)
- Blue (96%)



- Cyan (46%)
- Magenta (0%)
- Yellow (33%)
- Black (4%)





- Cyan (49%)
- Magenta (4%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 57.461, 149.353 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, 57.461, 149.353 by changing the saturation by 10% instead.


 88, 57.461,
149.353


 88, 57.461,
149.353


 100, 57.461,
149.353


 78, 57.461,
149.353

 68, 57.461,
149.353

 58, 57.461,
149.353

 48, 57.461,
149.353

 38, 57.461,
149.353


 28, 57.461,
149.353


 18, 57.461,


149.353


 8, 57.461, 149.353


 0, 57.461, 149.353


 88, 57.461,
149.353

 88, 57.461,
149.353

 87, 68.731,
148.001


 89, 45.516,
150.530

 86, 79.071,
146.463


 91, 33.137,
151.550

 85, 88.255,
144.746

 93, 20.548,
152.438

 85, 96.106,
142.885

 95, 7.933, 153.234


 85, 102.519,

 97, 4.563, 333.768

140.959



97, 6.941, 324.639

 85, 104.557,
140.296

Harmonies

Complementary

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



88, 57.461, 149.353



70, 57.886, 337.124

Rectangle

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



88, 57.461, 149.353



88, 57.461, 199.353



88, 57.461, 329.353



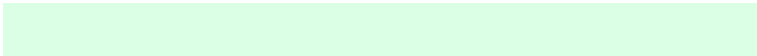
88, 57.461, 19.353

Sweetspot

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



88, 57.462, 149.353



97, 18.243, 152.627



92, 57.535, 117.744



51, 12.603, 152.450



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, 57.462, 149.353



90, 70.866, 148.030



89, 38.579, 175.970



50, 7.150, 152.988



66, 84.702, 140.638



21, 35.054, 143.789

Inverse Universe

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



70, 57.886, 337.124



68, 70.858, 338.033



68, 46.202, 6.981



48, 7.184, 334.228



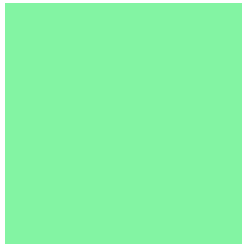
41, 73.656, 343.679



10, 33.596, 341.088

Previews

White Background



This preview shows how the CIE LCh color 88, 57.461, 149.353 looks on a white background.

Color Contrast Check

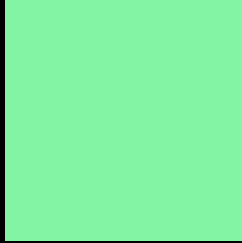
Large Text (above 18pt) WCAG AA × Fail

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, 57.461, 149.353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

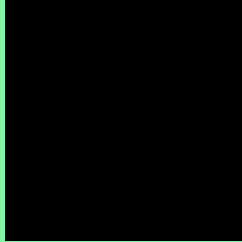
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 57.461, 149.353

Background



This preview shows how black text looks on a background with the CIELCh color 88, 57.461, 149.353.

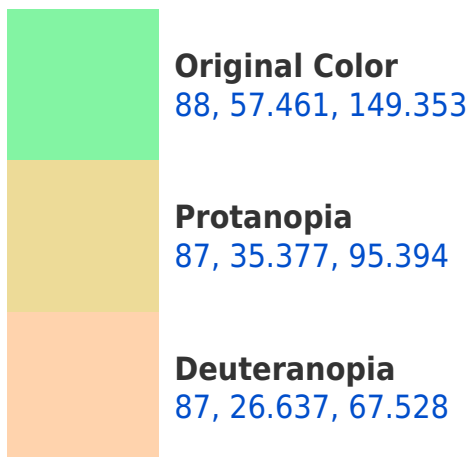



This preview shows how white text looks on a background with the CIELCh color 88, 57.461, 149.353.

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



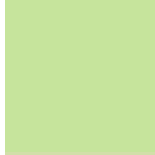


Tritanopia
88, 26.243, 220.352

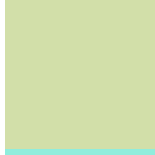
Trichromacy



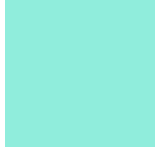
Original Color
88, 57.461, 149.353



Protanomaly
87, 38.811, 124.527



Deuteranomaly
87, 28.396, 118.007



Tritanomaly
88, 31.540, 180.871

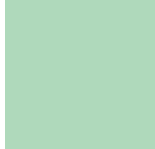
Monochromacy



Original Color
88, 57.461, 149.353



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 22.114, 152.288

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 57.461, 149.353 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, 244, 163)` looks like.

```
.text, #text, p{  
    color:rgb(131, 244, 163)  
}
```

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, 244, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 244, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 57.461, 149.353 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, 244, 163) }
```

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

```
.border{ border-color:rgb(131, 244, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 244, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 244, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 244, 163);  
box-shadow:4px 4px 4px 4px rgb(131, 244,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 57.461, 149.353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 244, 163) }
```

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

```
.background{ background-color: rgb(131,  
244, 163) }
```

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