

Converting Colors

CIELCh(90, 91.687, 139.019)

Have a look what the booklet for
CIELCh(90, 91.687, 139.019)
contains.

CIELCh(90, 90.809, 139.087)	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(90, 90.809, 139.087)

Conversions

Conversions Part 1

Format	Color
Hex	69FF68
RGB	105, 255, 104
RGB Percent	41%, 100%, 41%
CMY	0.5869, 0.0000, 0.5918
CMYK	0.59, 0.00, 0.59, 0.00
HSL	120°, 100%, 70%
HSV	120°, 59%, 100%
XYZ	44.5078, 76.3034, 25.5046
YIQ	192.9360, -40.9290, -78.7610

Conversions

Conversions Part 2

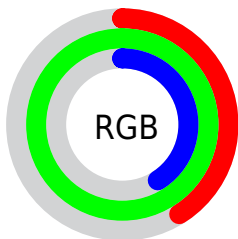
Format	Color
RYB	104, 255, 254
Decimal	6946664
CIELab	90.00, -68.62, 59.47
CIELCh	90, 90.809, 139.087
Yxy	76.3034, 0.3042, 0.5215
Android (android.graphics.Color)	4285136744 (0xFF69FF68)
YUV	192.9360, -43.8454, -77.1199
Hunter-Lab	87.3518, -61.9157, 43.8350

Details

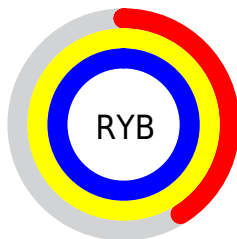
The CIELCh color **90, 90.809, 139.087** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **68, 89.355, 327.183**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 58.120, 139.436**, and **70, 90.284, 139.154** is the 20% darker color. If you saturate the color by 10%, you get **89, 101.815, 138.001**, and if you desaturate by 10%, it is **91, 76.764, 140.226**.

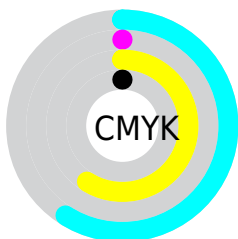
Distribution



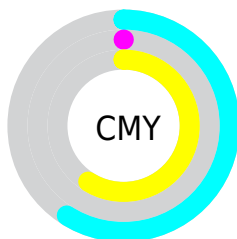
- Red (41%)
- Green (100%)
- Blue (41%)



- Red (41%)
- Yellow (100%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (59%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 90.809, 139.087 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 90, 90.809, 139.087 by changing the saturation by 10% instead.


 90, 90.809,
139.087


 90, 90.809,
139.087


 100, 90.809,
139.087


 80, 90.809,
139.087

 70, 90.809,
139.087

 60, 90.809,
139.087


 50, 90.809,
139.087

 40, 90.809,
139.087


 30, 90.809,
139.087


 20, 90.809,


139.087


 10, 90.809,
139.087


 0, 90.809, 139.087


 90, 90.809,
139.087


 90, 90.809,
139.087

 89, 101.815,
138.001


 91, 76.764,
140.226


 88, 110.853,
137.030

 92, 62.014,
141.269

 88, 116.775,
136.347

 94, 46.479,
142.199

 88, 119.573,
136.016

 96, 30.557,
143.008

■ 88, 119.741,
135.993

■ 98, 14.553,
143.708

100, 0.012,
296.813

Harmonies

Complementary

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



90, 90.809, 139.087



68, 89.355, 327.183

Rectangle

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



90, 90.809, 139.087



90, 90.809, 189.087



90, 90.809, 319.087



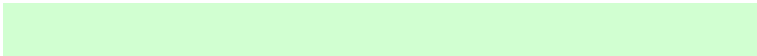
90, 90.809, 9.087

Sweetspot

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



90, 90.231, 139.110



96, 28.674, 143.096



97, 71.434, 103.847



51, 19.938, 142.876



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 90.231, 139.110



89, 103.672, 137.809



91, 62.906, 156.068



52, 9.019, 143.686



68, 96.431, 135.984



22, 43.757, 136.664

Inverse Universe

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



68, 89.355, 327.183



64, 101.794, 327.553



65, 65.978, 349.567



50, 9.034, 324.725



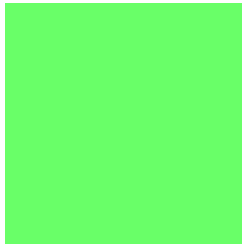
45, 93.113, 327.909



12, 42.835, 327.947

Previews

White Background



This preview shows how the CIE LCh color 90, 90.809, 139.087 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 90, 90.809, 139.087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

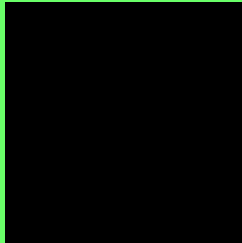
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

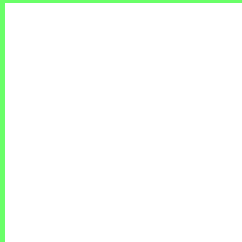
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 90.809, 139.087

Background



This preview shows how black text looks on a background with the CIELCh color 90, 90.809, 139.087.

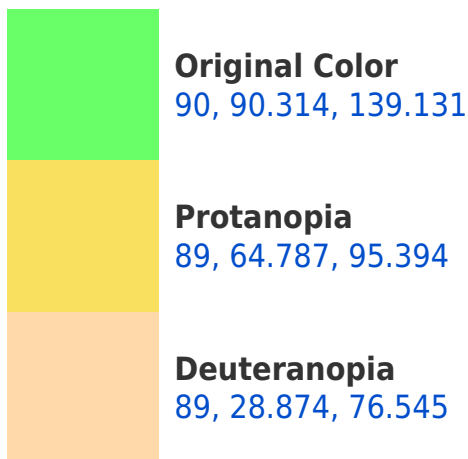


This preview shows how white text looks on a background with the CIELCh color 90, 90.809, 139.087.

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



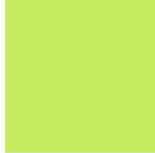


Tritanopia
89, 26.975, 217.185

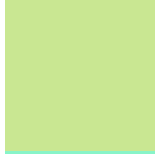
Trichromacy



Original Color
90, 90.314, 139.131



Protanomaly
88, 68.876, 117.673



Deuteranomaly
88, 44.921, 121.791

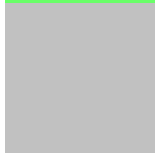


Tritanomaly
89, 42.710, 164.253

Monochromacy



Original Color
90, 90.314, 139.131



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 35.575, 142.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 90.809, 139.087 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(105, 255, 104)` looks like.

```
.text, #text, p{  
    color:rgb(105, 255, 104)  
}
```

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(105, 255, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 255, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 90.809, 139.087 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(105, 255, 104) }
```

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

```
.border{ border-color:rgb(105, 255, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 255, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 255, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 255, 104);  
box-shadow:4px 4px 4px 4px rgb(105, 255,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 90.809, 139.087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 255, 104) }
```

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

```
.background{ background-color: rgb(105,  
255, 104) }
```

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