

Converting Colors

CIELCh(89, 90.437, 140.734)

Have a look what the booklet for
CIELCh(89, 90.437, 140.734)
contains.

CIELCh(89, 90.627, 140.619)	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(89, 90.627, 140.619)

Conversions

Conversions Part 1

Format	Color
Hex	5EFE6A
RGB	94, 254, 106
RGB Percent	37%, 100%, 42%
CMY	0.6323, 0.0047, 0.5850
CMYK	0.63, 0.00, 0.58, 0.00
HSL	125°, 99%, 68%
HSV	125°, 63%, 100%
XYZ	42.5645, 74.1641, 25.6584
YIQ	189.2880, -47.8520, -79.9480

Conversions

Conversions Part 2

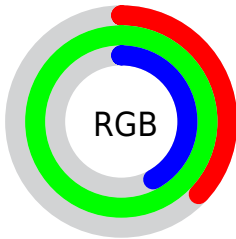
Format	Color
RYB	94, 243, 254
Decimal	6225514
CIELab	89.00, -70.05, 57.50
CIELCh	89, 90.627, 140.619
Yxy	74.1641, 0.2989, 0.5209
Android (android.graphics.Color)	4284415594 (0xFF5EFE6A)
YUV	189.2880, -41.0610, -83.5676
Hunter-Lab	86.1186, -62.4832, 42.6180

Details

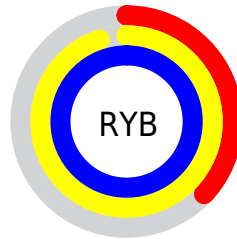
The CIELCh color **89, 90.627, 140.619** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **66, 88.959, 330.040**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 59.006, 142.139**, and **69, 89.489, 139.927** is the 20% darker color. If you saturate the color by 10%, you get **88, 101.346, 139.302**, and if you desaturate by 10%, it is **90, 78.164, 141.890**.

Distribution



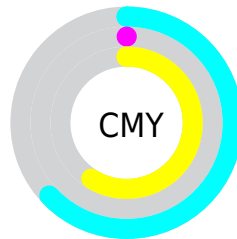
- Red (37%)
- Green (100%)
- Blue (42%)



- Red (37%)
- Yellow (95%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)





- Cyan (63%)
- Magenta (0%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 90.627, 140.619 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 89, 90.627, 140.619 by changing the saturation by 10% instead.

 89, 90.627,
140.619

 89, 90.627,
140.619


 100, 90.627,
140.619


 79, 90.627,
140.619

 69, 90.627,
140.619

 59, 90.627,
140.619

 49, 90.627,
140.619

 39, 90.627,
140.619


 29, 90.627,
140.619


 19, 90.627,


140.619


 9, 90.627, 140.619


 0, 90.627, 140.619


 89, 90.627,
140.619


 89, 90.627,
140.619

 88, 101.346,
139.302


 90, 78.164,
141.890


 88, 109.816,
138.046

 91, 64.439,
143.050

 87, 115.612,
136.990

 93, 49.884,
144.076

 87, 118.020,
136.478

 95, 34.867,
144.965

 97, 19.686,

145.731

■ 99, 4.568, 146.432

100, 0.748,
324.054

Harmonies

Complementary

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



89, 90.627, 140.619



66, 88.959, 330.040

Rectangle

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



89, 90.627, 140.619



89, 90.627, 190.619



89, 90.627, 320.619



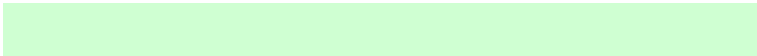
89, 90.627, 10.619

Sweetspot

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



89, 90.628, 140.619



96, 28.826, 145.289



96, 76.146, 107.653



51, 19.849, 145.063



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 90.628, 140.619



88, 104.482, 138.918



90, 61.212, 159.893



52, 8.587, 145.978



68, 95.070, 136.619



22, 42.174, 138.227

Inverse Universe

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



66, 88.959, 330.040



62, 100.595, 330.624



63, 66.804, 356.011



50, 8.603, 327.059



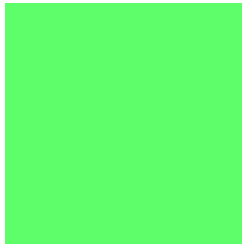
45, 87.729, 331.485



12, 40.648, 331.065

Previews

White Background



This preview shows how the CIE LCh color 89, 90.627, 140.619 looks on a white background.

Color Contrast Check

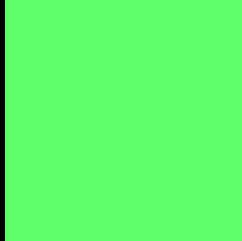
Large Text (above 18pt) WCAG AA × Fail

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 89, 90.627, 140.619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

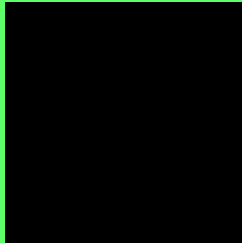
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 90.627, 140.619

Background



This preview shows how black text looks on a background with the CIELCh color 89, 90.627, 140.619.

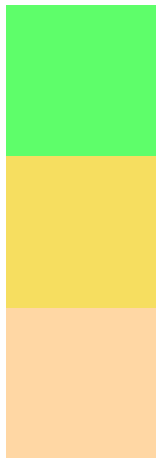


This preview shows how white text looks on a background with the CIELCh color 89, 90.627, 140.619.

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
89, 90.627, 140.619

Protanopia
88, 63.477, 95.651

Deuteranopia
88, 31.186, 76.951



Tritanopia
89, 29.383, 216.521

Trichromacy



Original Color
89, 90.627, 140.619



Protanomaly
87, 68.184, 119.564

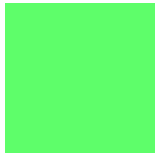


Deuteranomaly
87, 45.797, 122.961

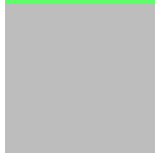


Tritanomaly
88, 44.477, 167.017

Monochromacy



Original Color
89, 90.627, 140.619



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 36.090, 144.864

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 90.627, 140.619 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(94, 254, 106)` looks like.

```
.text, #text, p{  
    color:rgb(94, 254, 106)  
}
```

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(94, 254, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 254, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 90.627, 140.619 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(94, 254, 106) }
```

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

```
.border{ border-color:rgb(94, 254, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 254, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 254, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 254, 106);  
box-shadow:4px 4px 4px 4px rgb(94, 254,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 90.627, 140.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 254, 106) }
```

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

```
.background{ background-color: rgb(94, 254,  
106) }
```

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