

Converting Colors

CIELCh(89, 44.672, 158.177)

Have a look what the booklet for
CIELCh(89, 44.672, 158.177)
contains.

CIELCh(89, 44.855, 157.943)	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, 44.855, 157.943)

Conversions

Conversions Part 1

Format	Color
Hex	8EF4BE
RGB	142, 244, 190
RGB Percent	56%, 96%, 75%
CMY	0.4432, 0.0431, 0.2549
CMYK	0.42, 0.00, 0.22, 0.04
HSL	148°, 82%, 76%
HSV	148°, 42%, 96%
XYZ	52.7957, 74.1641, 60.2437
YIQ	207.3460, -43.4580, -38.4180

Conversions

Conversions Part 2

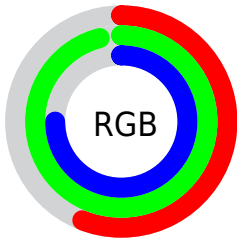
Format	Color
RYB	142, 211, 244
Decimal	9368766
CIELab	89.00, -41.57, 16.84
CIELCh	89, 44.855, 157.943
Yxy	74.1641, 0.2820, 0.3962
Android (android.graphics.Color)	4287558846 (0xFF8EF4BE)
YUV	207.3460, -8.5516, -57.3084
Hunter-Lab	86.1186, -41.2767, 18.8071

Details

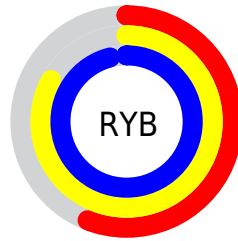
The CIELCh color **89, 44.855, 157.943** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **71, 46.749, 346.194**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 19.390, 184.385**, and **69, 44.630, 158.293** is the 20% darker color. If you saturate the color by 10%, you get **88, 54.651, 156.583**, and if you desaturate by 10%, it is **90, 34.509, 159.139**.

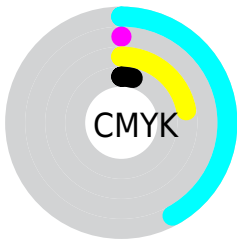
Distribution



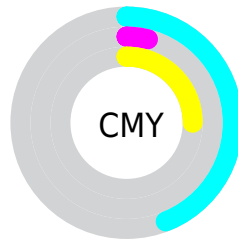
- Red (56%)
- Green (96%)
- Blue (75%)



- Red (56%)
- Yellow (83%)
- Blue (96%)



- Cyan (42%)
- Magenta (0%)
- Yellow (22%)
- Black (4%)



- Cyan (44%)
- Magenta (4%)
- Yellow (25%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 44.855, 157.943 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, 44.855, 157.943 by changing the saturation by 10% instead.


 89, 44.855,
157.943

 89, 44.855,
157.943


 100, 44.855,
157.943

 79, 44.855,
157.943

 69, 44.855,
157.943

 59, 44.855,
157.943

 49, 44.855,
157.943

 39, 44.855,
157.943

 29, 44.855,
157.943

 19, 44.855,

157.943


 9, 44.855, 157.943


 0, 44.855, 157.943


 89, 44.855,
157.943


 89, 44.855,
157.943


 88, 54.651,
156.583


 90, 34.509,
159.139

 87, 63.707,
155.036

 92, 23.800,
160.199

 86, 71.862,
153.281

 94, 12.901,
161.152

 86, 79.013,
151.311

 96, 1.962, 162.190


 85, 85.143,

 97, 6.679, 325.664

149.140



97, 6.853, 324.635

 85, 89.526,
147.286

Harmonies

Complementary

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



89, 44.855, 157.943



71, 46.749, 346.194

Rectangle

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



89, 44.855, 157.943



89, 44.855, 207.943



89, 44.855, 337.943



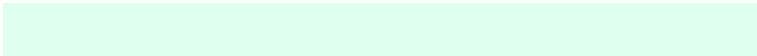
89, 44.855, 27.943

Sweetspot

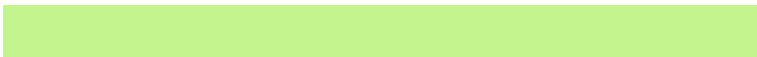
The Sweet Spot groups the original color and five complimentary colors.



89, 44.856, 157.942



97, 14.725, 161.040



91, 54.535, 125.889



52, 10.304, 160.834



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, 44.856, 157.942



92, 54.847, 156.825



90, 31.502, 194.156



50, 6.225, 161.363



66, 72.433, 147.702



21, 29.946, 151.264

Inverse Universe

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



71, 46.749, 346.194



70, 57.348, 347.315



70, 41.745, 21.210



48, 6.296, 342.834



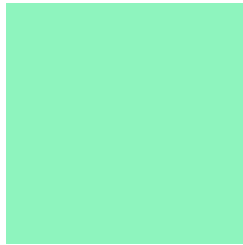
40, 67.300, 359.256



9, 30.558, 353.641

Previews

White Background



This preview shows how the CIELCh color 89, 44.855, 157.943 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, 44.855, 157.943 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, 44.855, 157.943

Background



This preview shows how black text looks on a background with the CIELCh color 89, 44.855, 157.943.

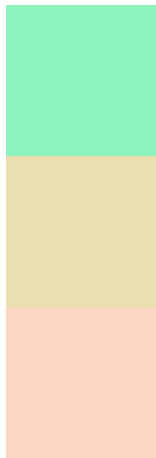


This preview shows how white text looks on a background with the CIELCh color 89, 44.855, 157.943.

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, 44.855, 157.943

Protanopia
89, 22.929, 94.593

Deuteranopia
88, 17.710, 51.929

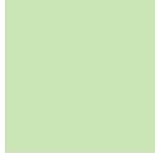


Tritanopia
89, 25.522, 221.025

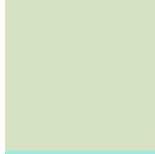
Trichromacy



Original Color
89, 44.855, 157.943



Protanomaly
88, 26.528, 131.439



Deuteranomaly
88, 16.725, 124.340

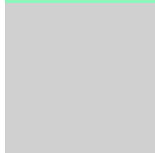


Tritanomaly
89, 27.878, 190.003

Monochromacy



Original Color
89, 44.855, 157.943



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 16.698, 161.508

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 44.855, 157.943 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(142, 244, 190)` looks like.

```
.text, #text, p{  
    color:rgb(142, 244, 190)  
}
```

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(142, 244, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 244, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 44.855, 157.943 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(142, 244, 190) }
```

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

```
.border{ border-color:rgb(142, 244, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 244, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 244, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 244, 190);  
box-shadow:4px 4px 4px 4px rgb(142, 244,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 44.855, 157.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 244, 190) }
```

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

```
.background{ background-color: rgb(142,  
244, 190) }
```

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