

Converting Colors

CIELCh(89, 72.304, 157.870)

Have a look what the booklet for
CIELCh(89, 72.304, 157.870)
contains.

CIELCh(89, 72.352, 157.843)	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, 72.352, 157.843)

Conversions

Conversions Part 1

Format	Color
Hex	2DFEA9
RGB	45, 254, 169
RGB Percent	18%, 100%, 66%
CMY	0.8251, 0.0047, 0.3380
CMYK	0.82, 0.00, 0.33, 0.00
HSL	156°, 99%, 59%
HSV	156°, 82%, 100%
XYZ	43.5875, 74.1641, 49.4643
YIQ	181.8190, -97.2790, -70.7430

Conversions

Conversions Part 2

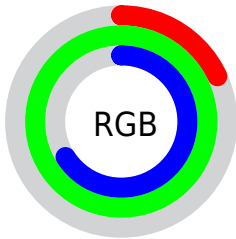
Format	Color
RYB	45, 176, 254
Decimal	3014313
CIELab	89.00, -67.01, 27.29
CIELCh	89, 72.352, 157.843
Yxy	74.1641, 0.2607, 0.4435
Android (android.graphics.Color)	4281204393 (0xFF2DFEA9)
YUV	181.8190, -6.3198, -119.9903
Hunter-Lab	86.1186, -60.3627, 26.2284

Details

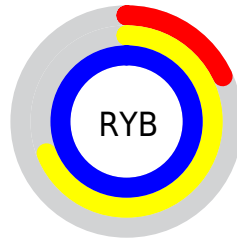
The CIELCh color **89, 72.352, 157.843** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **57, 79.190, 3.987**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 42.771, 175.389**, and **70, 66.188, 154.165** is the 20% darker color. If you saturate the color by 10%, you get **89, 77.451, 155.647**, and if you desaturate by 10%, it is **90, 66.276, 159.827**.

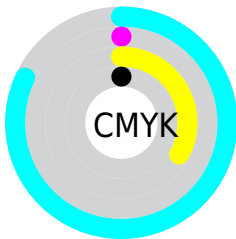
Distribution



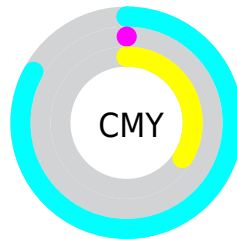
- Red (18%)
- Green (100%)
- Blue (66%)



- Red (18%)
- Yellow (69%)
- Blue (100%)



- Cyan (82%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)



- Cyan (83%)
- Magenta (0%)
- Yellow (34%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 72.352, 157.843 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, 72.352, 157.843 by changing the saturation by 10% instead.

 89, 72.352,
157.843

 89, 72.352,
157.843

 100, 72.352,
157.843

 79, 72.352,
157.843

 69, 72.352,
157.843

 59, 72.352,
157.843

 49, 72.352,
157.843

 39, 72.352,
157.843

 29, 72.352,
157.843

 19, 72.352,

157.843


 9, 72.352, 157.843


 0, 72.352, 157.843


 89, 72.352,
157.843


 89, 72.352,
157.843


 89, 77.451,
155.647

 90, 66.276,
159.827

 88, 80.803,
153.898


 90, 59.198,
161.595


 91, 51.187,
163.163

 92, 42.374,
164.555

 94, 32.927,

165.797

 95, 23.024,
166.916

 97, 12.834,
167.941

 99, 2.506, 169.030

100, 0.751,
324.056

Harmonies

Complementary

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



89, 72.352, 157.843



57, 79.190, 3.987

Rectangle

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



89, 72.352, 157.843



89, 72.352, 207.843



89, 72.352, 337.843



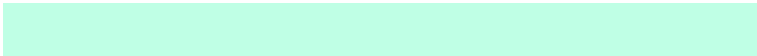
89, 72.352, 27.843

Sweetspot

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



89, 72.352, 157.843



95, 25.703, 166.638



90, 103.128, 129.301



50, 17.471, 166.247



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, 72.352, 157.843



89, 80.663, 154.118



86, 43.956, 208.922



52, 5.899, 168.230



68, 64.792, 154.326



23, 28.129, 157.532

Inverse Universe

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



57, 79.190, 3.987



54, 84.651, 11.696



57, 88.656, 37.614



50, 6.011, 349.850



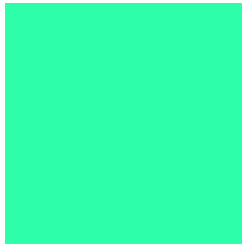
41, 68.254, 11.203



10, 31.313, 4.261

Previews

White Background



This preview shows how the CIE LCh color 89, 72.352, 157.843 looks on a white background.

Color Contrast Check

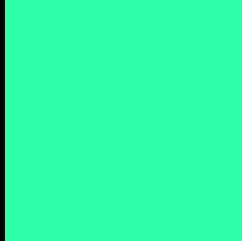
Large Text (above 18pt) WCAG AA × Fail

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, 72.352, 157.843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

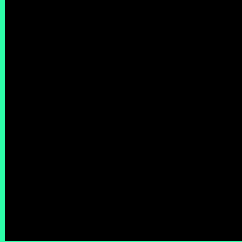
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 72.352, 157.843

Background



This preview shows how black text looks on a background with the CIELCh color 89, 72.352, 157.843.

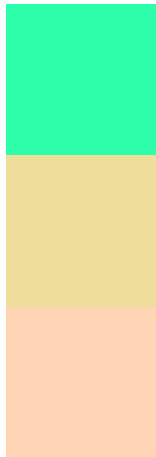


This preview shows how white text looks on a background with the CIELCh color 89, 72.352, 157.843.

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, 72.352, 157.843

Protanopia

88, 34.824, 95.316

Deuteranopia

88, 23.218, 63.715



Tritanopia
89, 32.123, 212.712

Trichromacy



Original Color
89, 72.352, 157.843



Protanomaly
87, 44.884, 139.549



Deuteranomaly
86, 32.446, 142.493



Tritanomaly
88, 43.361, 182.593

Monochromacy



Original Color
89, 72.352, 157.843



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 31.439, 165.254

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 72.352, 157.843 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(45, 254, 169)` looks like.

```
.text, #text, p{  
    color:rgb(45, 254, 169)  
}
```

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(45, 254, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 254, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 72.352, 157.843 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(45, 254, 169) }
```

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

```
.border{ border-color:rgb(45, 254, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 254, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 254, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 254, 169);  
box-shadow:4px 4px 4px 4px rgb(45, 254,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 72.352, 157.843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 254, 169) }
```

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

```
.background{ background-color: rgb(45, 254,  
169) }
```

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