

Converting Colors

CIELCh(89, 71.502, 158.117)

Have a look what the booklet for
CIELCh(89, 71.502, 158.117)
contains.

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Color

CIELCh(89, 71.765, 158.023)

Conversions

Conversions Part 1

Format	Color
Hex	2FFEAA
RGB	47, 254, 170
RGB Percent	18%, 100%, 67%
CMY	0.8144, 0.0053, 0.3346
CMYK	0.81, 0.00, 0.33, 0.01
HSL	156°, 99%, 59%
HSV	156°, 81%, 99%
XYZ	43.7434, 74.1641, 49.8808
YIQ	182.5310, -96.4080, -70.0080

Conversions

Conversions Part 2

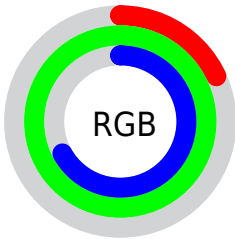
Format	Color
RYB	47, 177, 254
Decimal	3145386
CIELab	89.00, -66.55, 26.86
CIELCh	89, 71.765, 158.023
Yxy	74.1641, 0.2607, 0.4420
Android (android.graphics.Color)	4281335466 (0xFF2FFEAA)
YUV	182.5310, -6.1778, -118.8607
Hunter-Lab	86.1186, -60.0397, 25.9416

Details

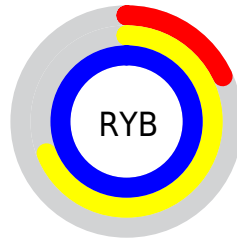
The CIELCh color **89, 71.765, 158.023** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **57, 78.643, 3.507**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 42.295, 175.919**, and **70, 65.798, 154.482** is the 20% darker color. If you saturate the color by 10%, you get **89, 76.971, 155.848**, and if you desaturate by 10%, it is **90, 65.575, 159.983**.

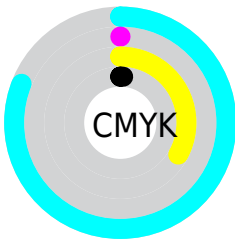
Distribution



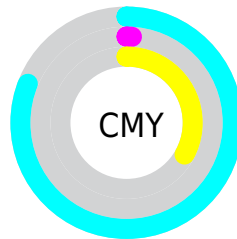
- Red (18%)
- Green (100%)
- Blue (67%)



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



- Cyan (81%)
- Magenta (0%)
- Yellow (33%)
- Black (1%)





- Cyan (81%)
- Magenta (1%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 71.765, 158.023 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, 71.765, 158.023 by changing the saturation by 10% instead.

 89, 71.765,
158.023


 89, 71.765,
158.023


 100, 71.765,
158.023


 79, 71.765,
158.023

 69, 71.765,
158.023

 59, 71.765,
158.023

 49, 71.765,
158.023

 39, 71.765,
158.023

 29, 71.765,
158.023

 19, 71.765,

158.023

■ 9, 71.765, 158.023

■ 0, 71.765, 158.023

■ 89, 71.765,
158.023

■ 89, 71.765,
158.023

■ 89, 76.971,
155.848

■ 90, 65.575,
159.983

■ 88, 80.837,
153.852


■ 90, 58.386,
161.729


■ 91, 50.277,
163.277

■ 92, 41.383,
164.651

■ 94, 31.875,

165.879

 95, 21.931,
166.986

 97, 11.718,
168.003

 99, 1.383, 169.249

100, 0.844,
324.105

Harmonies

Complementary

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



89, 71.765, 158.023



57, 78.643, 3.507

Rectangle

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



89, 71.765, 158.023



89, 71.765, 208.023



89, 71.765, 338.023



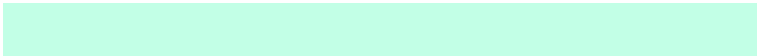
89, 71.765, 28.023

Sweetspot

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



89, 71.766, 158.023



95, 24.712, 166.701



90, 102.278, 129.253



50, 16.916, 166.309



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, 71.766, 158.023



89, 80.296, 154.300



86, 43.780, 208.808



52, 5.902, 168.185



68, 64.849, 154.279



23, 28.152, 157.486

Inverse Universe

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



57, 78.643, 3.507



54, 84.406, 11.108



57, 87.418, 37.346



50, 6.013, 349.804



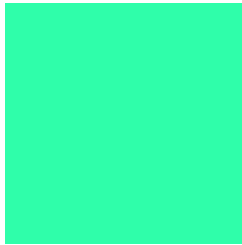
41, 68.246, 11.130



10, 31.315, 4.197

Previews

White Background



This preview shows how the CIELCh color 89, 71.765, 158.023 looks on a white background.

Color Contrast Check

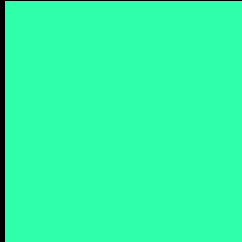
Large Text (above 18pt) WCAG AA × Fail

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, 71.765, 158.023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

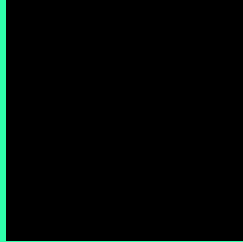
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

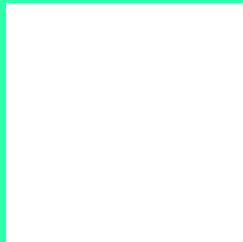
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 71.765, 158.023

Background



This preview shows how black text looks on a background with the CIELCh color 89, 71.765, 158.023.

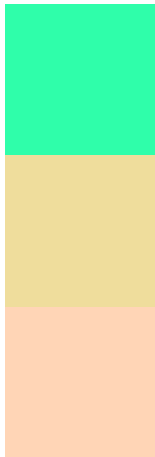


This preview shows how white text looks on a background with the CIELCh color 89, 71.765, 158.023.

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, 71.840, 158.062

Protanopia
88, 34.327, 95.198

Deuteranopia
88, 23.218, 63.715



Tritanopia
89, 32.123, 212.712

Trichromacy



Original Color
89, 71.840, 158.062



Protanomaly
87, 44.253, 139.542



Deuteranomaly
86, 31.804, 142.517

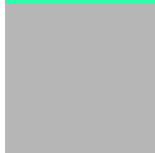


Tritanomaly
88, 43.183, 182.547

Monochromacy



Original Color
89, 71.840, 158.062



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 30.853, 165.787

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 71.765, 158.023 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(47, 254, 170)` looks like.

```
.text, #text, p{  
    color:rgb(47, 254, 170)  
}
```

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(47, 254, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 254, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 71.765, 158.023 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(47, 254, 170) }
```

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

```
.border{ border-color:rgb(47, 254, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 254, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 254, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 254, 170);  
box-shadow:4px 4px 4px 4px rgb(47, 254,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 71.765, 158.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 254, 170) }
```

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

```
.background{ background-color: rgb(47, 254,  
170) }
```

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](#).

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