

Converting Colors

CIELCh(89, 82.713, 150.332)

Have a look what the booklet for
CIELCh(89, 82.713, 150.332)
contains.

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Color

CIELCh(89, 82.821, 150.265)

Conversions

Conversions Part 1

Format	Color
Hex	33FF8D
RGB	51, 255, 141
RGB Percent	20%, 100%, 55%
CMY	0.7998, 0.0000, 0.4470
CMYK	0.80, 0.00, 0.45, 0.00
HSL	146°, 100%, 60%
HSV	146°, 80%, 100%
XYZ	41.9446, 74.1641, 37.3118
YIQ	181.0080, -84.9900, -78.7020

Conversions

Conversions Part 2

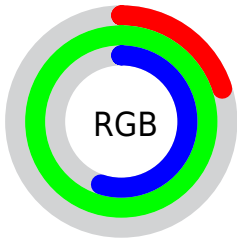
Format	Color
RYB	51, 193, 255
Decimal	3407757
CIELab	89.00, -71.92, 41.08
CIELCh	89, 82.821, 150.265
Yxy	74.1641, 0.2734, 0.4834
Android (android.graphics.Color)	4281597837 (0xFF33FF8D)
YUV	181.0080, -19.7239, -114.0170
Hunter-Lab	86.1186, -63.7681, 34.5950

Details

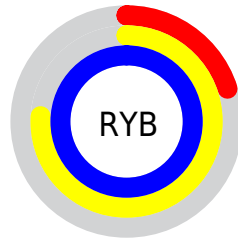
The CIELCh color **89, 82.821, 150.265** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **58, 81.961, 351.073**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 51.284, 159.915**, and **70, 77.111, 146.741** is the 20% darker color. If you saturate the color by 10%, you get **89, 89.568, 148.141**, and if you desaturate by 10%, it is **90, 74.950, 152.196**.

Distribution



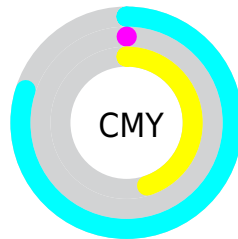
- Red (20%)
- Green (100%)
- Blue (55%)



- Red (20%)
- Yellow (76%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (45%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 82.821, 150.265 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, 82.821, 150.265 by changing the saturation by 10% instead.


 89, 82.821,
150.265


 89, 82.821,
150.265


 100, 82.821,
150.265

 79, 82.821,
150.265

 69, 82.821,
150.265

 59, 82.821,
150.265

 49, 82.821,
150.265

 39, 82.821,
150.265

 29, 82.821,
150.265

 19, 82.821,


150.265


 9, 82.821, 150.265


 0, 82.821, 150.265


 89, 82.821,
150.265


 89, 82.821,
150.265


 89, 89.568,
148.141


 90, 74.950,
152.196


 88, 95.348,
145.901

 90, 66.043,
153.910


 88, 95.359,
145.897


 91, 56.215,
155.418

 93, 45.650,
156.739

 94, 34.554,

157.899

 96, 23.126,
158.924

 98, 11.548,
159.846

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.



89, 82.821, 150.265



58, 81.961, 351.073

Rectangle

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



89, 82.821, 150.265



89, 82.821, 200.265



89, 82.821, 330.265



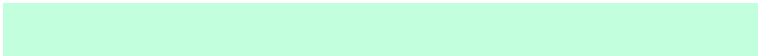
89, 82.821, 20.265

Sweetspot

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



89, 82.808, 150.268



95, 27.748, 158.526



92, 97.214, 124.119



50, 19.031, 158.158



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, 82.808, 150.268



88, 93.130, 146.785



91, 50.234, 188.177



52, 6.578, 159.888



68, 76.112, 146.318



23, 32.752, 149.507

Inverse Universe

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



58, 81.961, 351.073



56, 85.597, 355.890



56, 85.769, 30.144



50, 6.644, 341.328



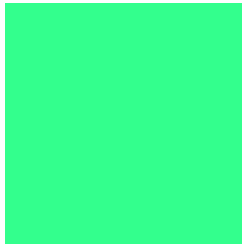
41, 69.243, 356.628



11, 32.544, 351.959

Previews

White Background



This preview shows how the CIE LCh color 89, 82.821, 150.265 looks on a white background.

Color Contrast Check

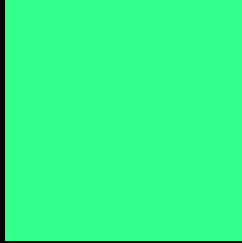
Large Text (above 18pt) WCAG AA × Fail

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, 82.821, 150.265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

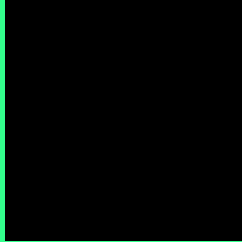
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 82.821, 150.265

Background



This preview shows how black text looks on a background with the CIELCh color 89, 82.821, 150.265.

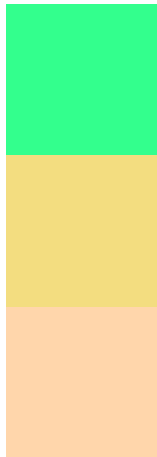


This preview shows how white text looks on a background with the CIELCh color 89, 82.821, 150.265.

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](#).

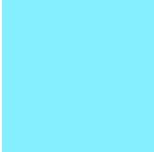
Dichromacy



Original Color
89, 82.821, 150.265

Protanopia
88, 48.350, 95.292

Deuteranopia
88, 27.887, 72.500



Tritanopia
89, 31.521, 214.060

Trichromacy



Original Color
89, 82.821, 150.265



Protanomaly
86, 55.885, 130.464



Deuteranomaly
86, 40.075, 134.153

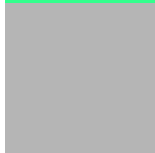


Tritanomaly
88, 45.305, 176.176

Monochromacy



Original Color
89, 82.821, 150.265



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 34.855, 156.906

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 82.821, 150.265 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(51, 255, 141)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 141)  
}
```

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(51, 255, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 82.821, 150.265 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(51, 255, 141) }
```

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

```
.border{ border-color:rgb(51, 255, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 141);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 82.821, 150.265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 141) }
```

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

```
.background{ background-color: rgb(51, 255,  
141) }
```

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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