

Converting Colors

CIELCh(89, 82.225, 150.624)

Have a look what the booklet for
CIELCh(89, 82.225, 150.624)
contains.

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Color

CIELCh(89, 82.072, 150.716)

Conversions

Conversions Part 1

Format	Color
Hex	33FF8F
RGB	51, 255, 143
RGB Percent	20%, 100%, 56%
CMY	0.8004, 0.0002, 0.4394
CMYK	0.80, 0.00, 0.44, 0.00
HSL	147°, 100%, 60%
HSV	147°, 80%, 100%
XYZ	42.0545, 74.1641, 38.0636
YIQ	181.2360, -85.6320, -78.0800

Conversions

Conversions Part 2

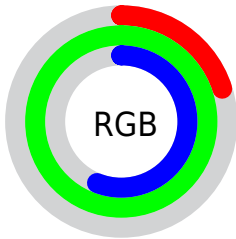
Format	Color
RYB	51, 192, 255
Decimal	3407759
CIELab	89.00, -71.58, 40.14
CIELCh	89, 82.072, 150.716
Yxy	74.1641, 0.2726, 0.4807
Android (android.graphics.Color)	4281597839 (0xFF33FF8F)
YUV	181.2360, -18.8503, -114.2170
Hunter-Lab	86.1186, -63.5403, 34.0774

Details

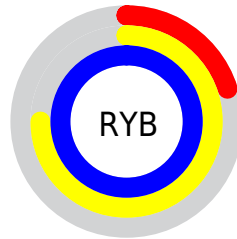
The CIELCh color **89, 82.072, 150.716** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **58, 81.610, 351.817**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 50.581, 160.788**, and **70, 76.357, 147.203** is the 20% darker color. If you saturate the color by 10%, you get **89, 88.747, 148.581**, and if you desaturate by 10%, it is **90, 74.313, 152.650**.

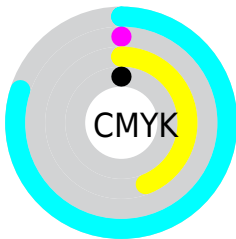
Distribution



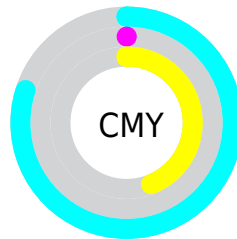
- Red (20%)
- Green (100%)
- Blue (56%)



- Red (20%)
- Yellow (75%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 82.072, 150.716 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, 82.072, 150.716 by changing the saturation by 10% instead.


 89, 82.072,
150.716


 89, 82.072,
150.716


 100, 82.072,
150.716

 79, 82.072,
150.716

 69, 82.072,
150.716

 59, 82.072,
150.716

 49, 82.072,
150.716

 39, 82.072,
150.716

 29, 82.072,
150.716

 19, 82.072,

150.716

■ 9, 82.072, 150.716

■ 0, 82.072, 150.716

■ 89, 82.072,
150.716

■ 89, 82.072,
150.716

■ 89, 88.747,
148.581

■ 90, 74.313,
152.650

■ 88, 94.442,
146.338


■ 90, 65.509,
154.368


■ 91, 55.789,
155.880

■ 93, 45.332,
157.207

■ 94, 34.339,

158.372

 96, 23.011,
159.403

 98, 11.525,
160.332

100, 0.033,
175.225

100, 0.045,
317.583

Harmonies

Complementary

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



89, 82.072, 150.716



58, 81.610, 351.817

Rectangle

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



89, 82.072, 150.716



89, 82.072, 200.716



89, 82.072, 330.716



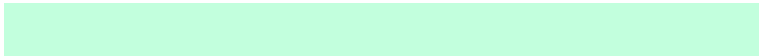
89, 82.072, 20.716

Sweetspot

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



89, 82.073, 150.716



95, 27.535, 159.009



91, 97.717, 124.748



50, 18.883, 158.638



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, 82.073, 150.716



88, 92.251, 147.231



91, 49.586, 190.184



52, 6.530, 160.380



68, 75.394, 146.761



23, 32.452, 149.960

Inverse Universe

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



58, 81.610, 351.817



56, 85.308, 356.776



56, 86.645, 31.255



50, 6.598, 341.832



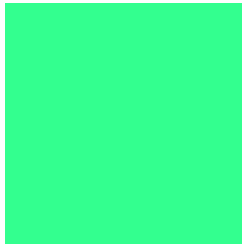
41, 69.023, 357.538



11, 32.413, 352.711

Previews

White Background



This preview shows how the CIE LCh color 89, 82.072, 150.716 looks on a white background.

Color Contrast Check

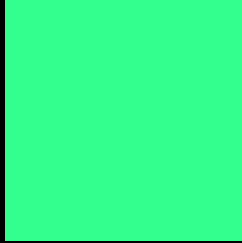
Large Text (above 18pt) WCAG AA × Fail

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, 82.072, 150.716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

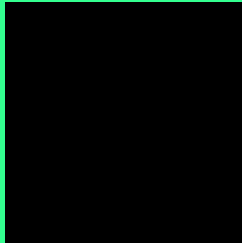
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 82.072, 150.716

Background



This preview shows how black text looks on a background with the CIELCh color 89, 82.072, 150.716.

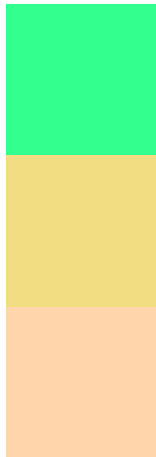


This preview shows how white text looks on a background with the CIELCh color 89, 82.072, 150.716.

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, 82.072, 150.716

Protanopia

88, 47.309, 95.667

Deuteranopia

88, 27.454, 71.948



Tritanopia
89, 31.521, 214.060

Trichromacy



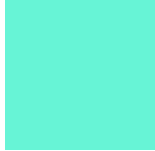
Original Color
89, 82.072, 150.716



Protanomaly
86, 55.003, 130.903



Deuteranomaly
86, 39.620, 134.489

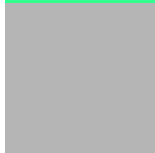


Tritanomaly
88, 45.305, 176.176

Monochromacy



Original Color
89, 82.072, 150.716



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 34.479, 157.545

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 82.072, 150.716 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, 143)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 143)  
}
```

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, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 82.072, 150.716 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, 143) }
```

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

```
.border{ border-color:rgb(51, 255, 143) }
```

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, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 143);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 82.072, 150.716 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, 143) }
```

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

```
.background{ background-color: rgb(51, 255,  
143) }
```

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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