

Converting Colors

CIELCh(89, 83.951, 149.599)

Have a look what the booklet for
CIELCh(89, 83.951, 149.599)
contains.

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Color

CIELCh(89, 83.942, 149.604)

Conversions

Conversions Part 1

Format	Color
Hex	33FF8A
RGB	51, 255, 138
RGB Percent	20%, 100%, 54%
CMY	0.7989, 0.0000, 0.4583
CMYK	0.80, 0.00, 0.46, 0.00
HSL	146°, 100%, 60%
HSV	146°, 80%, 100%
XYZ	41.7834, 74.1641, 36.2079
YIQ	180.6660, -84.0270, -79.6350

Conversions

Conversions Part 2

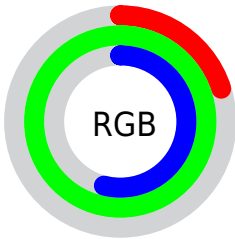
Format	Color
RYB	51, 194, 255
Decimal	3407754
CIELab	89.00, -72.40, 42.47
CIELCh	89, 83.942, 149.604
Yxy	74.1641, 0.2746, 0.4874
Android (android.graphics.Color)	4281597834 (0xFF33FF8A)
YUV	180.6660, -21.0343, -113.7171
Hunter-Lab	86.1186, -64.1022, 35.3550

Details

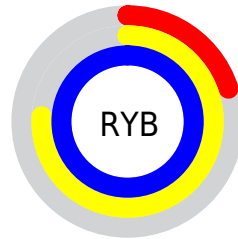
The CIELCh color **89, 83.942, 149.604** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **58, 82.485, 349.985**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 52.354, 158.648**, and **70, 78.232, 146.069** is the 20% darker color. If you saturate the color by 10%, you get **89, 90.751, 147.507**, and if you desaturate by 10%, it is **90, 75.872, 151.539**.

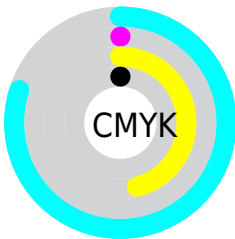
Distribution



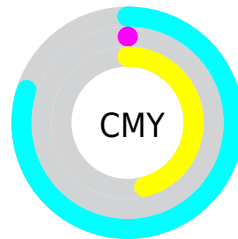
- Red (20%)
- Green (100%)
- Blue (54%)



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



- Cyan (80%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 83.942, 149.604 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, 83.942, 149.604 by changing the saturation by 10% instead.

 89, 83.942,
149.604

 89, 83.942,
149.604

 100, 83.942,
149.604

 79, 83.942,
149.604

 69, 83.942,
149.604

 59, 83.942,
149.604

 49, 83.942,
149.604

 39, 83.942,
149.604


 29, 83.942,
149.604

 19, 83.942,


149.604


 9, 83.942, 149.604

 0, 83.942, 149.604


 89, 83.942,
149.604


 89, 83.942,
149.604


 89, 90.751,
147.507


 90, 75.872,
151.539

 88, 96.622,
145.286

 90, 66.812,
153.245


 88, 96.684,
145.262


 91, 56.827,
154.746

 93, 46.106,
156.059

 94, 34.857,

157.210

 96, 23.284,
158.226

 98, 11.569,
159.138

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, 83.942, 149.604



58, 82.485, 349.985

Rectangle

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



89, 83.942, 149.604



89, 83.942, 199.604



89, 83.942, 329.604



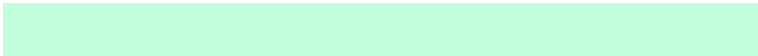
89, 83.942, 19.604

Sweetspot

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



89, 83.870, 149.621



95, 28.067, 157.823



92, 96.678, 123.472



50, 19.253, 157.458



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, 83.870, 149.621



88, 94.425, 146.142



91, 50.913, 186.226



52, 6.650, 159.172



68, 77.169, 145.680



23, 33.197, 148.850

Inverse Universe

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



58, 82.485, 349.985



56, 86.069, 354.592



56, 84.873, 28.982



50, 6.712, 340.591



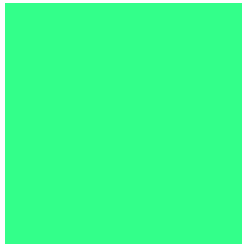
42, 69.607, 355.295



11, 32.750, 350.861

Previews

White Background



This preview shows how the CIE LCh color 89, 83.942, 149.604 looks on a white background.

Color Contrast Check

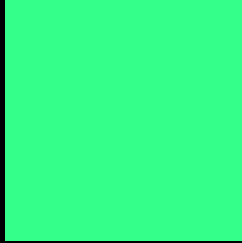
Large Text (above 18pt) WCAG AA × Fail

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, 83.942, 149.604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

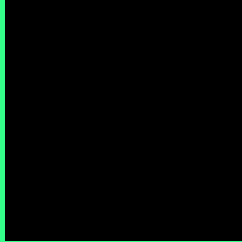
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 83.942, 149.604

Background



This preview shows how black text looks on a background with the CIELCh color 89, 83.942, 149.604.

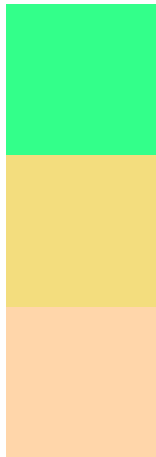


This preview shows how white text looks on a background with the CIELCh color 89, 83.942, 149.604.

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, 83.942, 149.604

Protanopia

88, 49.301, 95.402

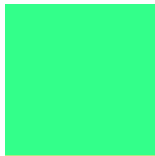
Deuteranopia

88, 28.324, 73.034



Tritanopia
89, 31.735, 213.935

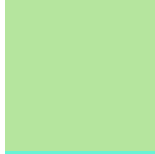
Trichromacy



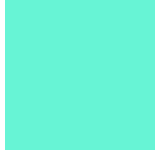
Original Color
89, 83.942, 149.604



Protanomaly
86, 57.204, 129.829



Deuteranomaly
86, 40.987, 133.500

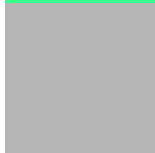


Tritanomaly
88, 45.577, 175.586

Monochromacy



Original Color
89, 83.942, 149.604



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 35.234, 156.280

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 83.942, 149.604 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, 138)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 138)  
}
```

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, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 83.942, 149.604 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, 138) }
```

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

```
.border{ border-color:rgb(51, 255, 138) }
```

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, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 138);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 83.942, 149.604 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, 138) }
```

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

```
.background{ background-color: rgb(51, 255,  
138) }
```

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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