

Converting Colors

CIELCh(89, 85.623, 149.538)

Have a look what the booklet for
CIELCh(89, 85.623, 149.538)
contains.

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Color

CIELCh(89, 85.382, 149.578)

Conversions

Conversions Part 1

Format	Color
Hex	2AFF89
RGB	42, 255, 137
RGB Percent	16%, 100%, 54%
CMY	0.8344, 0.0000, 0.4647
CMYK	0.83, 0.00, 0.46, 0.00
HSL	147°, 100%, 58%
HSV	147°, 83%, 100%
XYZ	41.3816, 74.1641, 35.6138
YIQ	177.8610, -89.0700, -81.8540

Conversions

Conversions Part 2

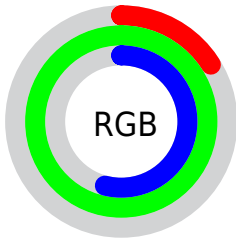
Format	Color
RYB	42, 189, 255
Decimal	2817929
CIELab	89.00, -73.63, 43.23
CIELCh	89, 85.382, 149.578
Yxy	74.1641, 0.2738, 0.4906
Android (android.graphics.Color)	4281008009 (0xFF2AFF89)
YUV	177.8610, -20.1445, -119.1501
Hunter-Lab	86.1186, -64.9349, 35.7640

Details

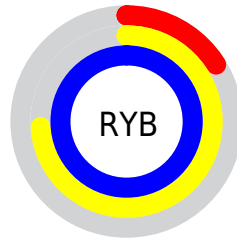
The CIELCh color **89, 85.382, 149.578** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **58, 83.247, 352.111**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 53.506, 158.821**, and **70, 78.603, 145.850** is the 20% darker color. If you saturate the color by 10%, you get **88, 91.492, 147.453**, and if you desaturate by 10%, it is **89, 77.655, 151.642**.

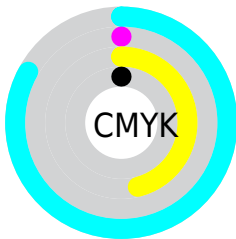
Distribution



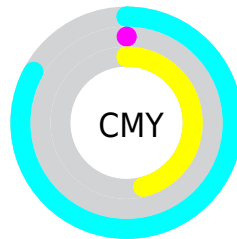
- Red (16%)
- Green (100%)
- Blue (54%)



- Red (16%)
- Yellow (74%)
- Blue (100%)



- Cyan (83%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (83%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 85.382, 149.578 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, 85.382, 149.578 by changing the saturation by 10% instead.


 89, 85.382,
149.578

 89, 85.382,
149.578


 100, 85.382,
149.578

 79, 85.382,
149.578

 69, 85.382,
149.578

 59, 85.382,
149.578

 49, 85.382,
149.578

 39, 85.382,
149.578


 29, 85.382,
149.578


 19, 85.382,


149.578

 9, 85.382, 149.578


 0, 85.382, 149.578


 89, 85.382,
149.578


 89, 85.382,
149.578


 88, 91.492,
147.453

 89, 77.655,
151.642

 88, 95.188,
145.980


 90, 69.117,
153.430


 91, 59.608,
155.008

 92, 49.295,
156.392

 94, 38.378,

157.605

 95, 27.061,
158.675

 97, 15.534,
159.629

 99, 3.957, 160.554

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, 85.382, 149.578



58, 83.247, 352.111

Rectangle

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



89, 85.382, 149.578



89, 85.382, 199.578



89, 85.382, 329.578



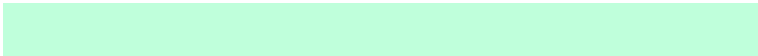
89, 85.382, 19.578

Sweetspot

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



89, 85.117, 149.641



95, 28.850, 158.516



91, 99.626, 124.305



50, 19.647, 158.148



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, 85.117, 149.641



88, 95.188, 145.980



91, 51.005, 187.904



52, 6.568, 159.982



68, 75.975, 146.402



23, 32.695, 149.592

Inverse Universe

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



58, 83.247, 352.111



55, 85.705, 357.504



55, 89.142, 31.616



50, 6.635, 341.423



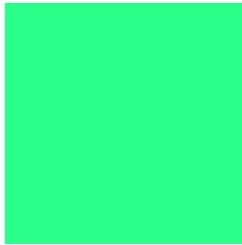
41, 69.200, 356.801



11, 32.519, 352.102

Previews

White Background



This preview shows how the CIELCh color 89, 85.382, 149.578 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, 85.382, 149.578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

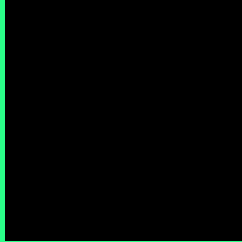
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 85.382, 149.578

Background



This preview shows how black text looks on a background with the CIELCh color 89, 85.382, 149.578.

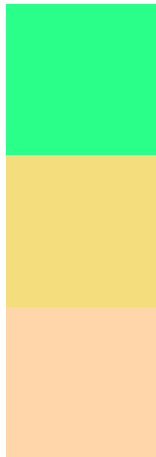


This preview shows how white text looks on a background with the CIELCh color 89, 85.382, 149.578.

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, 84.948, 149.756

Protanopia

88, 50.248, 95.504

Deuteranopia

88, 28.763, 73.550



Tritanopia
89, 32.158, 213.690

Trichromacy



Original Color
89, 84.948, 149.756



Protanomaly
86, 58.124, 130.568



Deuteranomaly
86, 41.963, 134.466

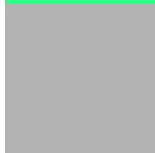


Tritanomaly
88, 46.743, 175.365

Monochromacy



Original Color
89, 84.948, 149.756



Achromatopsia
73, 0.009, 296.813



Achromatomaly
77, 36.006, 157.129

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 85.382, 149.578 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(42, 255, 137)` looks like.

```
.text, #text, p{  
    color:rgb(42, 255, 137)  
}
```

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(42, 255, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 255, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 85.382, 149.578 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(42, 255, 137) }
```

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

```
.border{ border-color:rgb(42, 255, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 255, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 255, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 255, 137);  
box-shadow:4px 4px 4px 4px rgb(42, 255,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 85.382, 149.578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 255, 137) }
```

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

```
.background{ background-color: rgb(42, 255,  
137) }
```

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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