

Converting Colors

CIELCh(89, 81.459, 148.018)

Have a look what the booklet for
CIELCh(89, 81.459, 148.018)
contains.

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Color

CIELCh(89, 81.425, 148.012)

Conversions

Conversions Part 1

Format	Color
Hex	4CFE89
RGB	76, 254, 137
RGB Percent	30%, 100%, 54%
CMY	0.7024, 0.0042, 0.4630
CMYK	0.70, 0.00, 0.46, 0.00
HSL	141°, 99%, 65%
HSV	141°, 70%, 100%
XYZ	42.8952, 74.1641, 35.6916
YIQ	187.4400, -68.5310, -74.1230

Conversions

Conversions Part 2

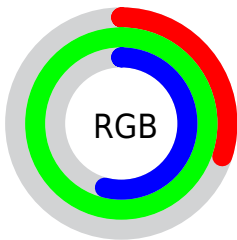
Format	Color
RYB	76, 209, 254
Decimal	5045897
CIELab	89.00, -69.06, 43.13
CIELCh	89, 81.425, 148.012
Yxy	74.1641, 0.2808, 0.4855
Android (android.graphics.Color)	4283235977 (0xFF4CFE89)
YUV	187.4400, -24.8669, -97.7329
Hunter-Lab	86.1186, -61.7976, 35.7105

Details

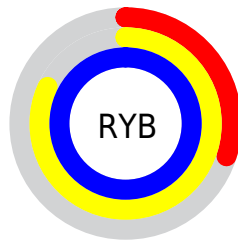
The CIELCh color **89, 81.425, 148.012** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **62, 80.301, 342.802**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 49.617, 155.694**, and **70, 78.131, 145.953** is the 20% darker color. If you saturate the color by 10%, you get **88, 90.028, 146.156**, and if you desaturate by 10%, it is **90, 71.662, 149.674**.

Distribution



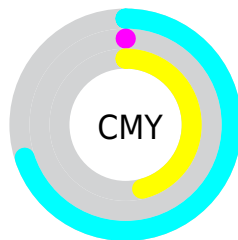
- Red (30%)
- Green (100%)
- Blue (54%)



- Red (30%)
- Yellow (82%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (70%)
- Magenta (0%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 81.425, 148.012 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, 81.425, 148.012 by changing the saturation by 10% instead.


 89, 81.425,
148.012

 89, 81.425,
148.012


 100, 81.425,
148.012


 79, 81.425,
148.012

 69, 81.425,
148.012

 59, 81.425,
148.012

 49, 81.425,
148.012

 39, 81.425,
148.012


 29, 81.425,
148.012


 19, 81.425,


148.012


 9, 81.425, 148.012


 0, 81.425, 148.012


 89, 81.425,
148.012


 89, 81.425,
148.012


 88, 90.028,
146.156


 90, 71.662,
149.674

 88, 97.365,
144.139

 91, 60.912,
151.138


 88, 103.421,
142.099

 92, 49.398,
152.415

 94, 37.355,
153.526

 95, 25.006,

154.496

 97, 12.545,
155.356

100, 0.132,
159.268

100, 0.681,
324.011

Harmonies

Complementary

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



89, 81.425, 148.012



62, 80.301, 342.802

Rectangle

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



89, 81.425, 148.012



89, 81.425, 198.012



89, 81.425, 328.012



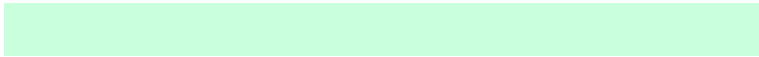
89, 81.425, 18.012

Sweetspot

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



89, 81.426, 148.012



96, 26.198, 154.415



93, 86.193, 119.852



50, 17.727, 154.157



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, 81.426, 148.012



89, 93.347, 145.384



91, 51.186, 178.617



52, 7.074, 155.406



68, 82.848, 142.480



23, 35.648, 145.490

Inverse Universe

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



62, 80.301, 342.802



58, 87.807, 345.112



59, 72.311, 18.836



50, 7.119, 336.720



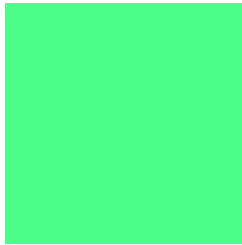
42, 72.422, 348.230



11, 34.153, 345.059

Previews

White Background



This preview shows how the CIE LCh color 89, 81.425, 148.012 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, 81.425, 148.012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

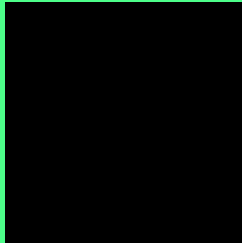
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 81.425, 148.012

Background



This preview shows how black text looks on a background with the CIELCh color 89, 81.425, 148.012.

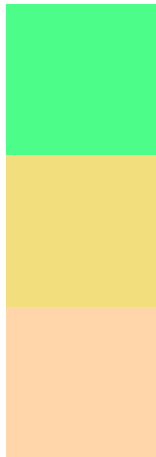


This preview shows how white text looks on a background with the CIELCh color 89, 81.425, 148.012.

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, 81.425, 148.012

Protanopia

88, 50.134, 95.995

Deuteranopia

88, 28.324, 73.034



Tritanopia
89, 30.653, 214.589

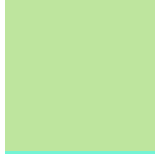
Trichromacy



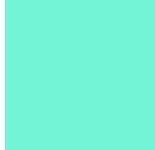
Original Color
89, 81.425, 148.012



Protanomaly
87, 56.836, 126.792



Deuteranomaly
87, 39.536, 129.346

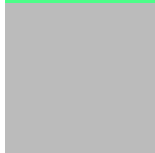


Tritanomaly
88, 43.543, 173.980

Monochromacy



Original Color
89, 81.425, 148.012



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 32.356, 153.574

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 81.425, 148.012 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(76, 254, 137)` looks like.

```
.text, #text, p{  
    color:rgb(76, 254, 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(76, 254, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 254, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 81.425, 148.012 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(76, 254, 137) }
```

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

```
.border{ border-color:rgb(76, 254, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 254, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 254, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 254, 137);  
box-shadow:4px 4px 4px 4px rgb(76, 254,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 81.425, 148.012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 254, 137) }
```

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

```
.background{ background-color: rgb(76, 254,  
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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