

Converting Colors

CIELCh(89, 84.749, 146.372)

Have a look what the booklet for
CIELCh(89, 84.749, 146.372)
contains.

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Color

CIELCh(89, 84.541, 146.404)

Conversions

Conversions Part 1

Format	Color
Hex	4BFE81
RGB	75, 254, 129
RGB Percent	29%, 100%, 51%
CMY	0.7044, 0.0028, 0.4931
CMYK	0.70, 0.00, 0.49, 0.00
HSL	138°, 99%, 65%
HSV	138°, 70%, 100%
XYZ	42.4412, 74.1641, 32.9354
YIQ	186.2290, -66.5590, -76.8230

Conversions

Conversions Part 2

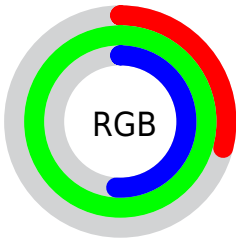
Format	Color
RYB	75, 213, 254
Decimal	4980353
CIELab	89.00, -70.42, 46.78
CIELCh	89, 84.541, 146.404
Yxy	74.1641, 0.2838, 0.4959
Android (android.graphics.Color)	4283170433 (0xFF4BFE81)
YUV	186.2290, -28.2139, -97.5478
Hunter-Lab	86.1186, -62.7387, 37.6080

Details

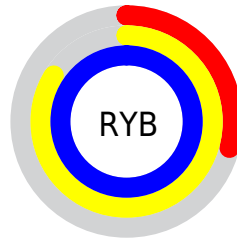
The CIELCh color **89, 84.541, 146.404** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **62, 82.642, 340.511**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 52.841, 152.716**, and **69, 81.406, 144.078** is the 20% darker color. If you saturate the color by 10%, you get **88, 93.386, 144.592**, and if you desaturate by 10%, it is **90, 74.453, 148.039**.

Distribution



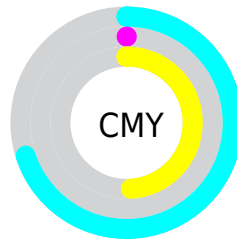
- Red (29%)
- Green (100%)
- Blue (51%)



- Red (29%)
- Yellow (84%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)



- Cyan (70%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 84.541, 146.404 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, 84.541, 146.404 by changing the saturation by 10% instead.

 89, 84.541,
146.404

 89, 84.541,
146.404

 100, 84.541,
146.404

 79, 84.541,
146.404

 69, 84.541,
146.404

 59, 84.541,
146.404

 49, 84.541,
146.404

 39, 84.541,
146.404

 29, 84.541,
146.404

 19, 84.541,


146.404


 9, 84.541, 146.404


 0, 84.541, 146.404


 89, 84.541,
146.404


 89, 84.541,
146.404


 88, 93.386,
144.592

 90, 74.453,
148.039

 88, 100.850,
142.648

 91, 63.324,
149.482


 88, 106.746,
140.769


 92, 51.398,
150.741

 94, 38.928,
151.835

 95, 26.149,

152.785

 97, 13.266,
153.622

 100, 0.444,
155.222

100, 0.454,
323.776

Harmonies

Complementary

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



89, 84.541, 146.404



62, 82.642, 340.511

Rectangle

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



89, 84.541, 146.404



89, 84.541, 196.404



89, 84.541, 326.404



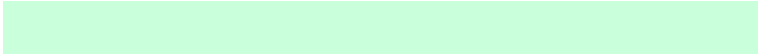
89, 84.541, 16.404

Sweetspot

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



89, 84.542, 146.404



96, 27.038, 152.728



93, 85.843, 118.414



50, 18.299, 152.476



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, 84.542, 146.404



88, 96.486, 143.893



91, 52.969, 175.510



52, 7.296, 153.689



68, 85.447, 141.129



23, 36.821, 144.018

Inverse Universe

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



62, 82.642, 340.511



59, 90.043, 342.438



59, 71.998, 16.321



50, 7.334, 334.956



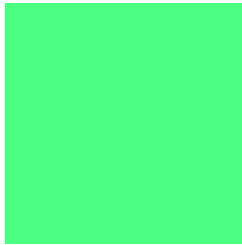
42, 74.262, 345.023



11, 34.990, 342.423

Previews

White Background



This preview shows how the CIE LCh color 89, 84.541, 146.404 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, 84.541, 146.404 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

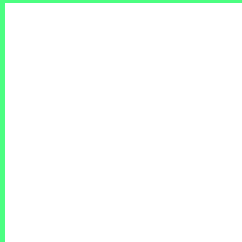
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 84.541, 146.404

Background



This preview shows how black text looks on a background with the CIELCh color 89, 84.541, 146.404.

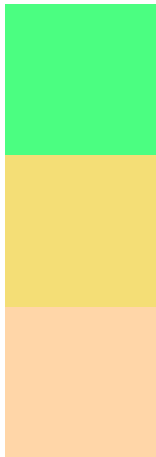


This preview shows how white text looks on a background with the CIELCh color 89, 84.541, 146.404.

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, 84.541, 146.404

Protanopia

88, 53.496, 95.835

Deuteranopia

88, 29.204, 74.048



Tritanopia
89, 30.653, 214.589

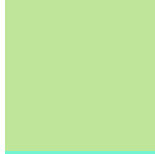
Trichromacy



Original Color
89, 84.541, 146.404



Protanomaly
87, 59.784, 125.212



Deuteranomaly
87, 41.408, 128.241

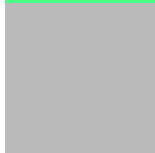


Tritanomaly
88, 44.400, 172.200

Monochromacy



Original Color
89, 84.541, 146.404



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 33.782, 152.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 84.541, 146.404 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(75, 254, 129)` looks like.

```
.text, #text, p{  
    color:rgb(75, 254, 129)  
}
```

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(75, 254, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 254, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 84.541, 146.404 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(75, 254, 129) }
```

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

```
.border{ border-color:rgb(75, 254, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 254, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 254, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 254, 129);  
box-shadow:4px 4px 4px 4px rgb(75, 254,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 84.541, 146.404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 254, 129) }
```

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

```
.background{ background-color: rgb(75, 254,  
129) }
```

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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