

Converting Colors

CIELCh(87, 85.700, 147.003)

Have a look what the booklet for
CIELCh(87, 85.700, 147.003)
contains.

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Color

CIELCh(87, 85.784, 146.983)

Conversions

Conversions Part 1

Format	Color
Hex	39F97C
RGB	57, 249, 124
RGB Percent	22%, 98%, 49%
CMY	0.7771, 0.0239, 0.5141
CMYK	0.77, 0.00, 0.50, 0.02
HSL	141°, 94%, 60%
HSV	141°, 77%, 98%
XYZ	39.1543, 70.0064, 30.4879
YIQ	177.3420, -74.3070, -79.5790

Conversions

Conversions Part 2

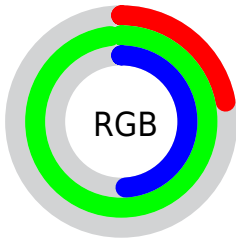
Format	Color
RYB	57, 199, 249
Decimal	3799420
CIELab	87.00, -71.93, 46.74
CIELCh	87, 85.784, 146.983
Yxy	70.0064, 0.2804, 0.5013
Android (android.graphics.Color)	4281989500 (0xFF39F97C)
YUV	177.3420, -26.2976, -105.5399
Hunter-Lab	83.6698, -62.8910, 36.9646

Details

The CIELCh color **87, 85.784, 146.983** 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, 83.026, 344.276**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 57.152, 153.019**, and **68, 80.511, 143.709** is the 20% darker color. If you saturate the color by 10%, you get **87, 93.352, 145.003**, and if you desaturate by 10%, it is **88, 77.008, 148.787**.

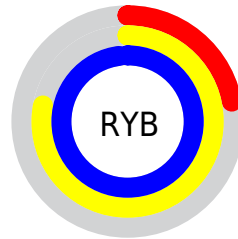
Distribution



Red (22%)

Green (98%)

Blue (49%)



Red (22%)

Yellow (78%)

Blue (98%)

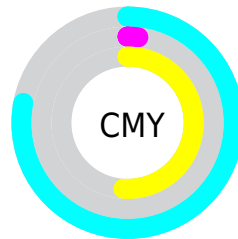


Cyan (77%)

Magenta (0%)

Yellow (50%)

Black (2%)



Cyan (78%)

Magenta (2%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 85.784, 146.983 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 87, 85.784, 146.983 by changing the saturation by 10% instead.

■ 87, 85.784,
146.983

■ 87, 85.784,
146.983

■ 100, 85.784,
146.983

■ 77, 85.784,
146.983

■ 67, 85.784,
146.983

■ 57, 85.784,
146.983

■ 47, 85.784,
146.983

■ 37, 85.784,
146.983

■ 27, 85.784,
146.983

■ 17, 85.784,

146.983

■ 7, 85.784, 146.983

■ 0, 85.784, 146.983

■ 87, 85.784,
146.983

■ 87, 85.784,
146.983

■ 87, 93.352,
145.003

■ 88, 77.008,
148.787

■ 86, 99.684,
142.911

■ 89, 67.144,
150.391


■ 86, 101.309,
142.341

■ 90, 56.378,
151.799

■ 91, 44.932,
153.026

■ 93, 33.034,

154.095

 94, 20.894,
155.031

 96, 8.692, 155.872

 98, 3.192, 332.277

 99, 3.796, 324.493

Harmonies

Complementary

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



87, 85.784, 146.983



58, 83.026, 344.276

Rectangle

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



87, 85.784, 146.983



87, 85.784, 196.983



87, 85.784, 326.983



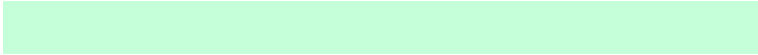
87, 85.784, 16.983

Sweetspot

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



87, 85.785, 146.983



95, 28.548, 154.496



91, 90.711, 119.944



50, 19.744, 154.146



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 85.785, 146.983



88, 99.066, 143.763



89, 53.134, 177.657



51, 6.925, 155.680



67, 81.574, 142.723



22, 34.395, 145.910

Inverse Universe

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



58, 83.026, 344.276



57, 89.212, 347.482



56, 77.512, 21.634



49, 6.970, 337.000



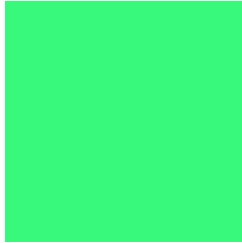
42, 71.458, 348.716



10, 33.184, 345.308

Previews

White Background



This preview shows how the CIELCh color 87, 85.784, 146.983 looks on a white background.

Color Contrast Check

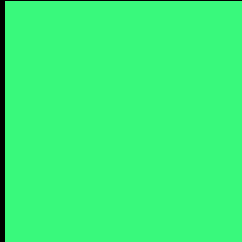
Large Text (above 18pt) WCAG AA × Fail

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 87, 85.784, 146.983 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

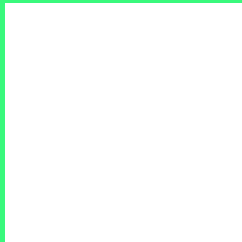
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 85.784, 146.983

Background



This preview shows how black text looks on a background with the CIELCh color 87, 85.784, 146.983.

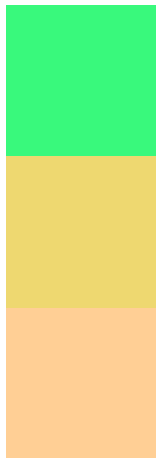


This preview shows how white text looks on a background with the CIELCh color 87, 85.784, 146.983.

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
87, 85.784, 146.983

Protanopia
86, 53.679, 95.686

Deuteranopia
86, 36.456, 74.860



Tritanopia
87, 35.871, 213.572

Trichromacy



Original Color
87, 85.784, 146.983



Protanomaly
85, 60.697, 126.786



Deuteranomaly
84, 44.914, 126.454



Tritanomaly
86, 47.801, 174.999

Monochromacy



Original Color
87, 85.784, 146.983



Achromatopsia
72, 0.009, 296.813



Achromatomaly
76, 35.194, 153.701

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 85.784, 146.983 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(57, 249, 124)` looks like.

```
.text, #text, p{  
    color:rgb(57, 249, 124)  
}
```

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(57, 249, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 249, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 85.784, 146.983 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(57, 249, 124) }
```

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

```
.border{ border-color:rgb(57, 249, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 249, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 249, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 249, 124);  
box-shadow:4px 4px 4px 4px rgb(57, 249,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 85.784, 146.983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 249, 124) }
```

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

```
.background{ background-color: rgb(57, 249,  
124) }
```

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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