

Converting Colors

CIELCh(89, 86.788, 147.124)

Have a look what the booklet for
CIELCh(89, 86.788, 147.124)
contains.

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Color

CIELCh(89, 86.910, 147.076)

Conversions

Conversions Part 1

Format	Color
Hex	3CFF80
RGB	60, 255, 128
RGB Percent	24%, 100%, 50%
CMY	0.7636, 0.0000, 0.4974
CMYK	0.76, 0.00, 0.50, 0.00
HSL	141°, 100%, 62%
HSV	141°, 76%, 100%
XYZ	41.6031, 74.1641, 32.5991
YIQ	182.2170, -75.4530, -80.8370

Conversions

Conversions Part 2

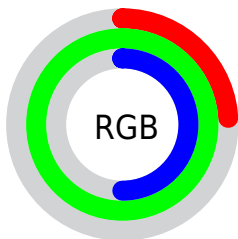
Format	Color
RYB	60, 205, 255
Decimal	3997568
CIELab	89.00, -72.95, 47.24
CIELCh	89, 86.910, 147.076
Yxy	74.1641, 0.2804, 0.4999
Android (android.graphics.Color)	4282187648 (0xFF3CFF80)
YUV	182.2170, -26.7290, -107.1843
Hunter-Lab	86.1186, -64.4758, 37.8395

Details

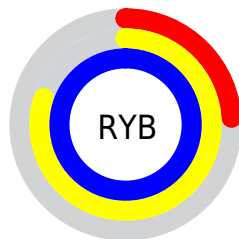
The CIELCh color **89, 86.910, 147.076** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **60, 84.217, 344.117**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 55.045, 153.953**, and **70, 82.221, 143.801** is the 20% darker color. If you saturate the color by 10%, you get **88, 94.635, 145.121**, and if you desaturate by 10%, it is **90, 77.784, 148.884**.

Distribution



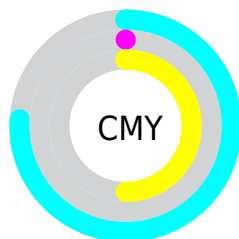
- Red (24%)
- Green (100%)
- Blue (50%)



- Red (24%)
- Yellow (80%)
- Blue (100%)



- Cyan (76%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (76%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 86.910, 147.076 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, 86.910, 147.076 by changing the saturation by 10% instead.


 89, 86.910,
147.076


 89, 86.910,
147.076


 100, 86.910,
147.076


 79, 86.910,
147.076

 69, 86.910,
147.076

 59, 86.910,
147.076

 49, 86.910,
147.076

 39, 86.910,
147.076


 29, 86.910,
147.076


 19, 86.910,


147.076

 9, 86.910, 147.076


 0, 86.910, 147.076


 89, 86.910,
147.076


 89, 86.910,
147.076


 88, 94.635,
145.121

 90, 77.784,
148.884

 88, 101.176,
143.030

 91, 67.645,
150.475


 88, 103.304,
142.290

 92, 56.600,
151.870

 93, 44.879,
153.086

 95, 32.712,

154.144

 97, 20.314,
155.072

 99, 7.866, 155.911

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, 86.910, 147.076



60, 84.217, 344.117

Rectangle

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



89, 86.910, 147.076



89, 86.910, 197.076



89, 86.910, 327.076



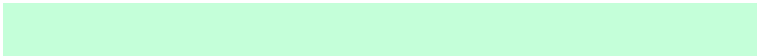
89, 86.910, 17.076

Sweetspot

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



89, 86.824, 147.092



95, 28.562, 154.469



93, 91.838, 119.926



50, 19.754, 154.119



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, 86.824, 147.092



88, 98.478, 143.950



91, 53.860, 177.758



52, 7.044, 155.651



68, 82.475, 142.679



23, 35.483, 145.704

Inverse Universe

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



60, 84.217, 344.117



57, 89.163, 347.199



57, 78.321, 21.331



50, 7.090, 336.973



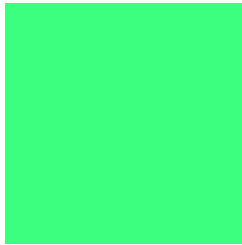
42, 72.190, 348.690



11, 34.045, 345.436

Previews

White Background



This preview shows how the CIE LCh color 89, 86.910, 147.076 looks on a white background.

Color Contrast Check

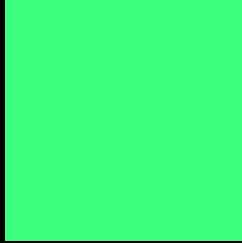
Large Text (above 18pt) WCAG AA × Fail

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, 86.910, 147.076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

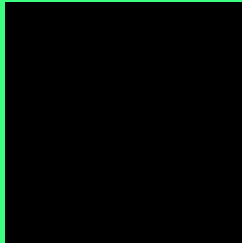
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 86.910, 147.076

Background



This preview shows how black text looks on a background with the CIELCh color 89, 86.910, 147.076.

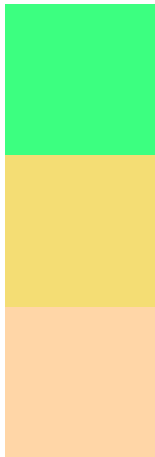


This preview shows how white text looks on a background with the CIELCh color 89, 86.910, 147.076.

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, 86.910, 147.076

Protanopia

88, 54.072, 95.410

Deuteranopia

88, 29.647, 74.531

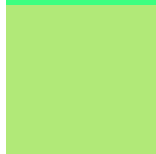


Tritanopia
89, 31.306, 214.189

Trichromacy



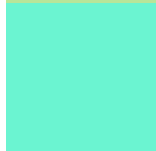
Original Color
89, 86.910, 147.076



Protanomaly
86, 60.961, 126.651



Deuteranomaly
86, 42.785, 130.687

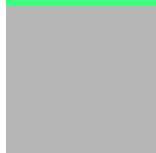


Tritanomaly
88, 45.960, 172.956

Monochromacy



Original Color
89, 86.910, 147.076



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 36.049, 152.960

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 86.910, 147.076 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(60, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(60, 255, 128)  
}
```

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(60, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 255, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 86.910, 147.076 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(60, 255, 128) }
```

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

```
.border{ border-color:rgb(60, 255, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 255, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(60, 255,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 86.910, 147.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 255, 128) }
```

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

```
.background{ background-color: rgb(60, 255,  
128) }
```

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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