

Converting Colors

CIELCh(87, 90.834, 147.268)

Have a look what the booklet for
CIELCh(87, 90.834, 147.268)
contains.

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Color

CIELCh(87, 90.514, 147.367)

Conversions

Conversions Part 1

Format	Color
Hex	0EFA77
RGB	14, 250, 119
RGB Percent	5%, 98%, 47%
CMY	0.9457, 0.0183, 0.5322
CMYK	0.94, 0.00, 0.52, 0.02
HSL	147°, 96%, 52%
HSV	147°, 94%, 98%
XYZ	37.8138, 70.0064, 29.0653
YIQ	164.5020, -98.6050, -90.7730

Conversions

Conversions Part 2

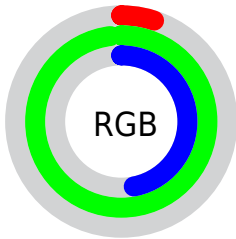
Format	Color
RYB	14, 177, 250
Decimal	981623
CIELab	87.00, -76.23, 48.81
CIELCh	87, 90.514, 147.367
Yxy	70.0064, 0.2762, 0.5114
Android (android.graphics.Color)	4279171703 (0xFF0EFA77)
YUV	164.5020, -22.4325, -131.9903
Hunter-Lab	83.6698, -65.7507, 37.9727

Details

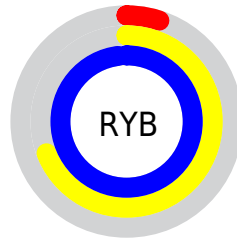
The CIELCh color **87, 90.514, 147.367** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **55, 84.184, 355.729**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 61.843, 153.536**, and **68, 83.043, 142.505** is the 20% darker color. If you saturate the color by 10%, you get **87, 93.564, 146.129**, and if you desaturate by 10%, it is **87, 84.351, 149.570**.

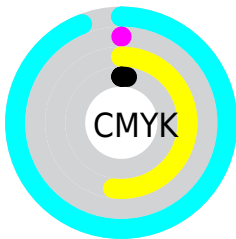
Distribution



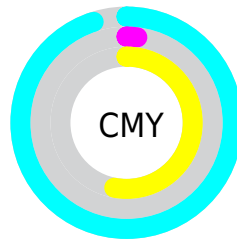
- Red (5%)
- Green (98%)
- Blue (47%)



- Red (5%)
- Yellow (69%)
- Blue (98%)



- Cyan (94%)
- Magenta (0%)
- Yellow (52%)
- Black (2%)





- Cyan (95%)
- Magenta (2%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 90.514, 147.367 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, 90.514, 147.367 by changing the saturation by 10% instead.


 87, 90.514,
147.367

 87, 90.514,
147.367


 100, 90.514,
147.367


 77, 90.514,
147.367

 67, 90.514,
147.367

 57, 90.514,
147.367

 47, 90.514,
147.367

 37, 90.514,
147.367


 27, 90.514,
147.367


 17, 90.514,


147.367


 7, 90.514, 147.367

 0, 90.514, 147.367


 87, 90.514,
147.367


 87, 90.514,
147.367

 87, 93.564,
146.129

 87, 84.351,
149.570

 88, 77.127,
151.590

 89, 68.841,
153.399

 90, 59.588,
154.996

 91, 49.526,

156.397

■ 92, 38.849,
157.627

■ 94, 27.759,
158.710

■ 95, 16.442,
159.674

■ 97, 5.060, 160.586

Harmonies

Complementary

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



87, 90.514, 147.367



55, 84.184, 355.729

Rectangle

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



87, 90.514, 147.367



87, 90.514, 197.367



87, 90.514, 327.367



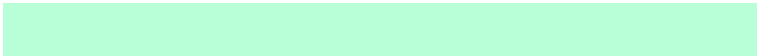
87, 90.514, 17.367

Sweetspot

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



87, 90.514, 147.367



95, 32.192, 158.339



89, 103.716, 125.297



50, 22.158, 157.867



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, 90.514, 147.367



88, 94.932, 146.105



89, 51.937, 186.995



51, 6.447, 160.123



67, 74.981, 146.550



22, 31.630, 149.909

Inverse Universe

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



55, 84.184, 355.729



55, 85.631, 357.769



53, 97.031, 36.220



49, 6.513, 341.565



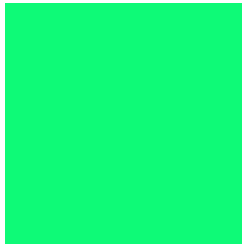
41, 68.457, 357.022



10, 31.669, 352.065

Previews

White Background



This preview shows how the CIE LCh color 87, 90.514, 147.367 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, 90.514, 147.367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

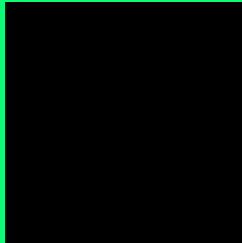
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 90.514, 147.367

Background



This preview shows how black text looks on a background with the CIELCh color 87, 90.514, 147.367.

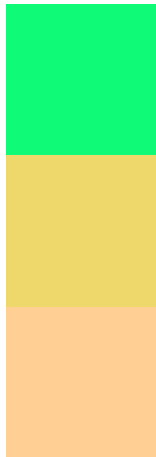


This preview shows how white text looks on a background with the CIELCh color 87, 90.514, 147.367.

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

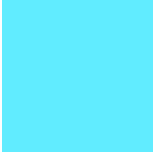
87, 90.466, 147.340

Protanopia

86, 55.517, 95.826

Deuteranopia

86, 36.905, 75.216



Tritanopia
87, 37.905, 212.556

Trichromacy



Original Color
87, 90.466, 147.340



Protanomaly
84, 64.906, 130.755



Deuteranomaly
83, 48.909, 132.586



Tritanomaly
86, 51.631, 175.165

Monochromacy



Original Color
87, 90.466, 147.340



Achromatopsia
68, 0.008, 296.813



Achromatomaly
73, 40.271, 156.366

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 90.514, 147.367 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(14, 250, 119)` looks like.

```
.text, #text, p{  
    color:rgb(14, 250, 119)  
}
```

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(14, 250, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 250, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 90.514, 147.367 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(14, 250, 119) }
```

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

```
.border{ border-color:rgb(14, 250, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 250, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 250, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 250, 119);  
box-shadow:4px 4px 4px 4px rgb(14, 250,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 90.514, 147.367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 250, 119) }
```

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

```
.background{ background-color: rgb(14, 250,  
119) }
```

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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