

Converting Colors

CIELCh(87, 97.148, 144.347)

Have a look what the booklet for
CIELCh(87, 97.148, 144.347)
contains.

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Color

CIElCh(87, 97.088, 144.380)

Conversions

Conversions Part 1

Format	Color
Hex	07FB66
RGB	7, 251, 102
RGB Percent	3%, 98%, 40%
CMY	0.9722, 0.0156, 0.5999
CMYK	0.97, 0.00, 0.59, 0.02
HSL	143°, 97%, 51%
HSV	143°, 97%, 98%
XYZ	36.9879, 70.0064, 24.1364
YIQ	161.0580, -97.5950, -98.0670

Conversions

Conversions Part 2

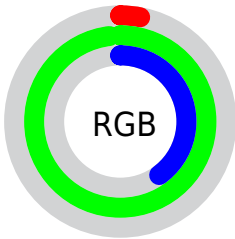
Format	Color
RYB	7, 183, 251
Decimal	523110
CIELab	87.00, -78.92, 56.54
CIELCh	87, 97.088, 144.380
Yxy	70.0064, 0.2821, 0.5339
Android (android.graphics.Color)	4278713190 (0xFF07FB66)
YUV	161.0580, -29.1156, -135.1089
Hunter-Lab	83.6698, -67.5126, 41.4654

Details

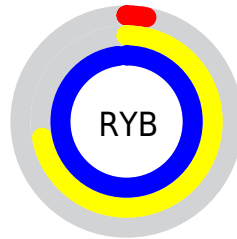
The CIELCh color **87, 97.088, 144.380** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **55, 86.444, 351.761**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 68.545, 148.674**, and **68, 89.592, 139.387** is the 20% darker color. If you saturate the color by 10%, you get **87, 98.698, 143.786**, and if you desaturate by 10%, it is **87, 90.863, 146.546**.

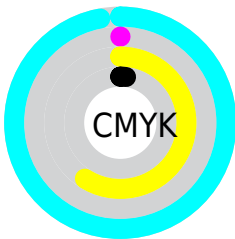
Distribution



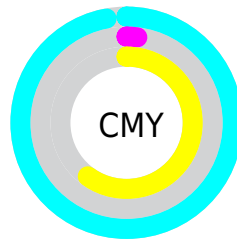
- Red (3%)
- Green (98%)
- Blue (40%)



- Red (3%)
- Yellow (72%)
- Blue (98%)



- Cyan (97%)
- Magenta (0%)
- Yellow (59%)
- Black (2%)




- Cyan (97%)
- Magenta (2%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 97.088, 144.380 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, 97.088, 144.380 by changing the saturation by 10% instead.

 87, 97.088,
144.380

 87, 97.088,
144.380


 100, 97.088,
144.380

 77, 97.088,
144.380

 67, 97.088,
144.380

 57, 97.088,
144.380

 47, 97.088,
144.380

 37, 97.088,
144.380

 27, 97.088,
144.380

 17, 97.088,

144.380

■ 7, 97.088, 144.380

■ 0, 97.088, 144.380

■ 87, 97.088,
144.380

■ 87, 97.088,
144.380

■ 87, 98.698,
143.786

■ 87, 90.863,
146.546

■ 88, 83.494,
148.575

■ 88, 74.978,
150.412

■ 89, 65.413,
152.041

■ 90, 54.966,

153.470

■ 92, 43.843,
154.718

■ 93, 32.263,
155.809

■ 95, 20.427,
156.769

■ 97, 8.513, 157.638

Harmonies

Complementary

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



87, 97.088, 144.380



55, 86.444, 351.761

Rectangle

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



87, 97.088, 144.380



87, 97.088, 194.380



87, 97.088, 324.380



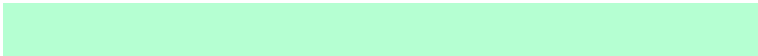
87, 97.088, 14.380

Sweetspot

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



87, 97.088, 144.380



94, 34.837, 155.618



90, 103.117, 123.621



50, 23.843, 155.159



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, 97.088, 144.380



88, 99.926, 143.767



89, 55.214, 180.286



51, 6.723, 157.441



67, 78.930, 144.195



22, 33.268, 147.470

Inverse Universe

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



55, 86.444, 351.761



56, 87.513, 352.629



53, 96.138, 34.695



49, 6.776, 338.809



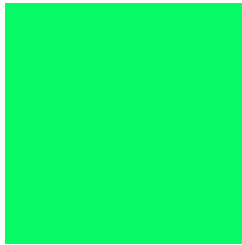
41, 70.014, 352.020



10, 32.496, 347.991

Previews

White Background



This preview shows how the CIE LCh color 87, 97.088, 144.380 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, 97.088, 144.380 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, 97.088, 144.380

Background



This preview shows how black text looks on a background with the CIELCh color 87, 97.088, 144.380.

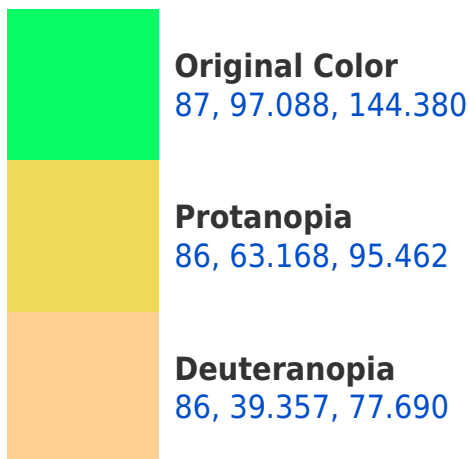


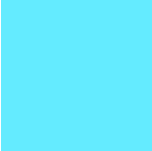
This preview shows how white text looks on a background with the CIELCh color 87, 97.088, 144.380.

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





Tritanopia
87, 37.260, 213.735

Trichromacy



Original Color
87, 97.088, 144.380



Protanomaly
84, 72.499, 128.258



Deuteranomaly
83, 54.286, 130.943



Tritanomaly
86, 53.836, 171.729

Monochromacy



Original Color
87, 97.088, 144.380



Achromatopsia
66, 0.008, 296.813



Achromatomaly
72, 43.339, 153.911

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 97.088, 144.380 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(7, 251, 102)` looks like.

```
.text, #text, p{  
    color:rgb(7, 251, 102)  
}
```

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(7, 251, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 251, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 97.088, 144.380 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(7, 251, 102) }
```

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

```
.border{ border-color:rgb(7, 251, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 251, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 251, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 251, 102);  
box-shadow:4px 4px 4px 4px rgb(7, 251,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 97.088, 144.380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 251, 102) }
```

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

```
.background{ background-color: rgb(7, 251,  
102) }
```

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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