

Converting Colors

CIELCh(91, 88.700, 135.995)

Have a look what the booklet for
CIELCh(91, 88.700, 135.995)
contains.

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Color

CIELCh(90, 87.562, 135.882)

Conversions

Conversions Part 1

Format	Color
Hex	7FFE65
RGB	127, 254, 101
RGB Percent	50%, 100%, 40%
CMY	0.5023, 0.0041, 0.6038
CMYK	0.50, 0.00, 0.60, 0.00
HSL	110°, 99%, 70%
HSV	110°, 60%, 100%
XYZ	46.5193, 76.3034, 24.5951
YIQ	198.5850, -26.5790, -74.5070

Conversions

Conversions Part 2

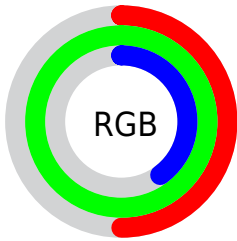
Format	Color
RYB	101, 254, 228
Decimal	8388197
CIELab	90.00, -62.86, 60.96
CIELCh	90, 87.562, 135.882
Yxy	76.3034, 0.3156, 0.5176
Android (android.graphics.Color)	4286578277 (0xFF7FFE65)
YUV	198.5850, -48.1094, -62.7800
Hunter-Lab	87.3518, -57.8052, 44.4524

Details

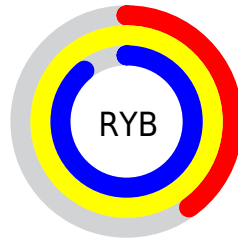
The CIELCh color **90, 87.562, 135.882** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **64, 88.754, 322.183**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 55.802, 133.086**, and **70, 87.470, 135.935** is the 20% darker color. If you saturate the color by 10%, you get **89, 99.035, 135.264**, and if you desaturate by 10%, it is **91, 74.477, 136.606**.

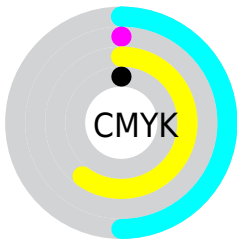
Distribution



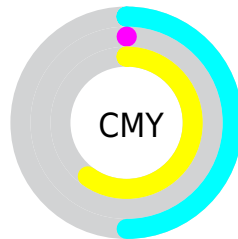
- Red (50%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (89%)



- Cyan (50%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 87.562, 135.882 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 90, 87.562, 135.882 by changing the saturation by 10% instead.


 90, 87.562,
135.882


 90, 87.562,
135.882

 100, 87.562,
135.882


 80, 87.562,
135.882

 70, 87.562,
135.882

 60, 87.562,
135.882


 50, 87.562,
135.882

 40, 87.562,
135.882


 30, 87.562,
135.882


 20, 87.562,


135.882

 10, 87.562,
135.882


 0, 87.562, 135.882


 90, 87.562,
135.882


 90, 87.562,
135.882


 89, 99.035,
135.264


 91, 74.477,
136.606


 88, 108.238,
134.878

 92, 60.335,
137.343

 88, 114.576,
134.850

 94, 45.566,
138.042

 88, 118.003,
135.145

 96, 30.493,
138.677

■ 98, 15.352,
139.244

■ 100, 0.315,
140.535

■ 100, 0.653,
323.990

Harmonies

Complementary

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



90, 87.562, 135.882



64, 88.754, 322.183

Rectangle

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



90, 87.562, 135.882



90, 87.562, 185.882



90, 87.562, 315.882



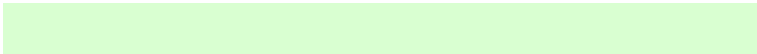
90, 87.562, 5.882

Sweetspot

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



90, 87.563, 135.883



96, 27.223, 138.808



90, 63.262, 94.206



51, 18.929, 138.635



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 87.563, 135.883



89, 101.188, 135.173



90, 73.318, 148.643



52, 8.566, 139.282



68, 95.166, 135.009



23, 42.495, 134.435

Inverse Universe

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



64, 88.754, 322.183



60, 102.095, 322.346



66, 73.299, 340.117



50, 8.608, 320.138



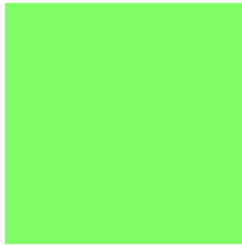
40, 94.457, 321.783



10, 43.343, 322.523

Previews

White Background



This preview shows how the CIE LCh color 90, 87.562, 135.882 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 90, 87.562, 135.882 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

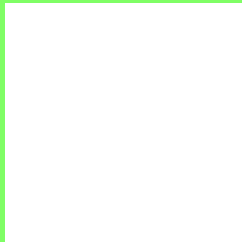
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 87.562, 135.882

Background



This preview shows how black text looks on a background with the CIELCh color 90, 87.562, 135.882.



This preview shows how white text looks on a background with the CIELCh color 90, 87.562, 135.882.

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



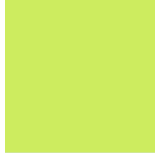


Tritanopia
90, 24.164, 221.061

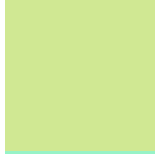
Trichromacy



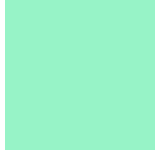
Original Color
90, 87.579, 135.867



Protanomaly
89, 69.862, 115.072



Deuteranomaly
89, 44.293, 118.945

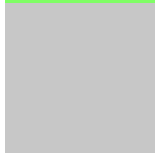


Tritanomaly
89, 39.032, 161.068

Monochromacy



Original Color
90, 87.579, 135.867



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 34.114, 138.101

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 87.562, 135.882 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(127, 254, 101)` looks like.

```
.text, #text, p{  
    color:rgb(127, 254, 101)  
}
```

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(127, 254, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 254, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 87.562, 135.882 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(127, 254, 101) }
```

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

```
.border{ border-color:rgb(127, 254, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 254, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 254, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 254, 101);  
box-shadow:4px 4px 4px 4px rgb(127, 254,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 87.562, 135.882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 254, 101) }
```

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

```
.background{ background-color: rgb(127,  
254, 101) }
```

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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