

Converting Colors

CIELCh(90, 81.838, 140.767)

Have a look what the booklet for
CIELCh(90, 81.838, 140.767)
contains.

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Color

CIELCh(90, 81.555, 140.892)

Conversions

Conversions Part 1

Format	Color
Hex	74FE7A
RGB	116, 254, 122
RGB Percent	45%, 100%, 48%
CMY	0.5434, 0.0023, 0.5201
CMYK	0.54, 0.00, 0.52, 0.00
HSL	123°, 99%, 73%
HSV	123°, 54%, 100%
XYZ	46.3701, 76.3034, 30.8186
YIQ	197.6900, -39.8760, -70.3080

Conversions

Conversions Part 2

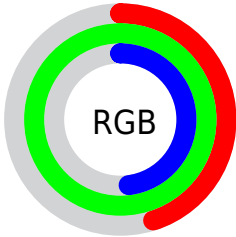
Format	Color
RYB	116, 248, 254
Decimal	7667322
CIELab	90.00, -63.28, 51.44
CIELCh	90, 81.555, 140.892
Yxy	76.3034, 0.3021, 0.4971
Android (android.graphics.Color)	4285857402 (0xFF74FE7A)
YUV	197.6900, -37.3152, -71.6421
Hunter-Lab	87.3518, -58.1102, 40.2281

Details

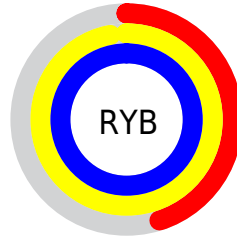
The CIELCh color **90, 81.555, 140.892** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **70, 80.806, 328.554**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 48.832, 142.265**, and **70, 81.391, 140.922** is the 20% darker color. If you saturate the color by 10%, you get **89, 93.993, 139.664**, and if you desaturate by 10%, it is **91, 67.693, 142.040**.

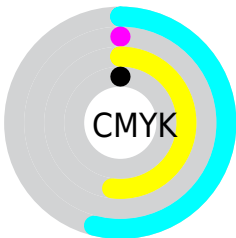
Distribution



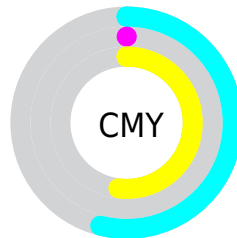
- Red (45%)
- Green (100%)
- Blue (48%)



- Red (45%)
- Yellow (97%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 81.555, 140.892 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, 81.555, 140.892 by changing the saturation by 10% instead.


 90, 81.555,
140.892


 90, 81.555,
140.892


 100, 81.555,
140.892


 80, 81.555,
140.892

 70, 81.555,
140.892

 60, 81.555,
140.892


 50, 81.555,
140.892

 40, 81.555,
140.892


 30, 81.555,
140.892


 20, 81.555,


140.892


 10, 81.555,
140.892


 0, 81.555, 140.892


 90, 81.555,
140.892


 90, 81.555,
140.892


 89, 93.993,
139.664


 91, 67.693,
142.040


 88, 104.456,
138.438

 93, 52.889,
143.067

 88, 112.380,
137.343

 94, 37.550,
143.962

 88, 117.344,
136.525

 97, 22.002,
144.733

■ 88, 118.891,
136.250

■ 99, 6.495, 145.417
100, 0.372,
323.621

Harmonies

Complementary

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



90, 81.555, 140.892



70, 80.806, 328.554

Rectangle

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



90, 81.555, 140.892



90, 81.555, 190.892



90, 81.555, 320.892



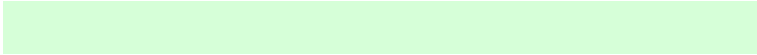
90, 81.555, 10.892

Sweetspot

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



90, 81.556, 140.892



96, 24.800, 144.604



97, 67.056, 106.640



51, 16.755, 144.451



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, 81.556, 140.892



89, 95.047, 139.567



91, 55.719, 159.441



52, 8.781, 145.060



68, 95.694, 136.350



22, 42.878, 137.591

Inverse Universe

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



70, 80.806, 328.554



66, 93.278, 329.025



67, 59.687, 351.929



50, 8.796, 326.126



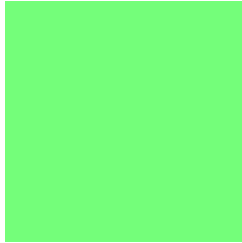
45, 89.988, 330.025



12, 41.568, 329.800

Previews

White Background



This preview shows how the CIE LCh color 90, 81.555, 140.892 looks on a white background.

Color Contrast Check

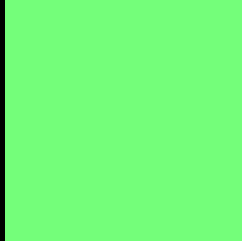
Large Text (above 18pt) WCAG AA × Fail

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, 81.555, 140.892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

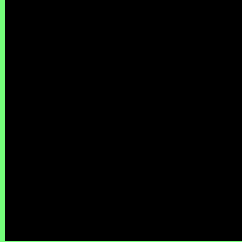
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

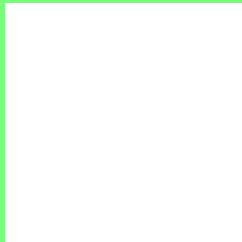
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 81.555, 140.892

Background



This preview shows how black text looks on a background with the CIELCh color 90, 81.555, 140.892.

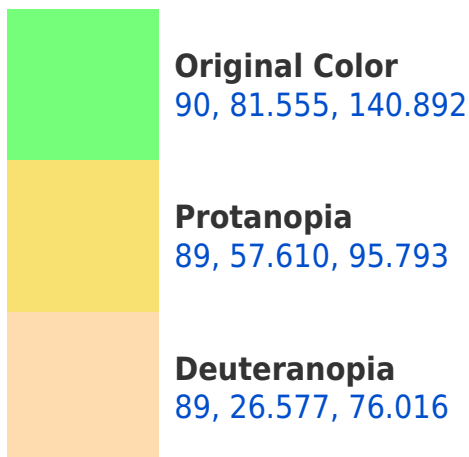


This preview shows how white text looks on a background with the CIELCh color 90, 81.555, 140.892.

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



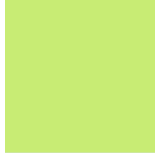


Tritanopia
90, 25.274, 218.631

Trichromacy



Original Color
90, 81.555, 140.892



Protanomaly
89, 61.442, 118.938



Deuteranomaly
89, 39.788, 122.306

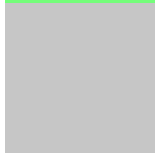


Tritanomaly
89, 38.599, 166.986

Monochromacy



Original Color
90, 81.555, 140.892



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 31.607, 144.494

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 81.555, 140.892 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(116, 254, 122)` looks like.

```
.text, #text, p{  
    color:rgb(116, 254, 122)  
}
```

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(116, 254, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 254, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 81.555, 140.892 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(116, 254, 122) }
```

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

```
.border{ border-color:rgb(116, 254, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 254, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 254, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 254, 122);  
box-shadow:4px 4px 4px 4px rgb(116, 254,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 81.555, 140.892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 254, 122) }
```

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

```
.background{ background-color: rgb(116,  
254, 122) }
```

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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