

Converting Colors

CIELCh(90, 80.637, 140.710)

Have a look what the booklet for
CIELCh(90, 80.637, 140.710)
contains.

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Color

CIELCh(90, 80.699, 140.678)

Conversions

Conversions Part 1

Format	Color
Hex	77FE7B
RGB	119, 254, 123
RGB Percent	47%, 100%, 48%
CMY	0.5329, 0.0035, 0.5173
CMYK	0.53, 0.00, 0.52, 0.00
HSL	122°, 99%, 73%
HSV	122°, 53%, 100%
XYZ	46.6728, 76.3034, 31.0349
YIQ	198.7010, -38.4090, -69.3610

Conversions

Conversions Part 2

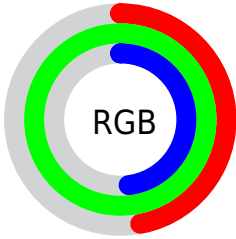
Format	Color
RYB	119, 250, 254
Decimal	7863931
CIELab	90.00, -62.43, 51.14
CIElCh	90, 80.699, 140.678
Yxy	76.3034, 0.3030, 0.4954
Android (android.graphics.Color)	4286054011 (0xFF77FE7B)
YUV	198.7010, -37.3206, -69.8978
Hunter-Lab	87.3518, -57.4916, 40.0813

Details

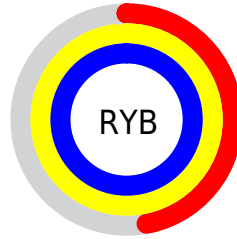
The CIELCh color **90, 80.699, 140.678** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **70, 80.045, 328.082**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 47.815, 141.690**, and **70, 80.554, 140.708** is the 20% darker color. If you saturate the color by 10%, you get **89, 93.361, 139.477**, and if you desaturate by 10%, it is **91, 66.626, 141.803**.

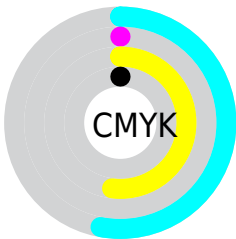
Distribution



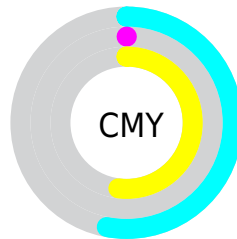
- Red (47%)
- Green (100%)
- Blue (48%)



- Red (47%)
- Yellow (98%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 80.699, 140.678 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, 80.699, 140.678 by changing the saturation by 10% instead.


 90, 80.699,
140.678


 90, 80.699,
140.678


 100, 80.699,
140.678


 80, 80.699,
140.678

 70, 80.699,
140.678

 60, 80.699,
140.678


 50, 80.699,
140.678

 40, 80.699,
140.678


 30, 80.699,
140.678


 20, 80.699,


140.678


 10, 80.699,
140.678


 0, 80.699, 140.678


 90, 80.699,
140.678


 90, 80.699,
140.678


 89, 93.361,
139.477

 91, 66.626,
141.803


 88, 104.040,
138.284

 93, 51.635,
142.809

 88, 112.144,
137.231

 95, 36.135,
143.685

 88, 117.220,
136.462

 97, 20.453,
144.440

■ 87, 118.989,
136.177

■ 99, 4.834, 145.126
100, 0.570,
323.918

Harmonies

Complementary

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



90, 80.699, 140.678



70, 80.045, 328.082

Rectangle

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



90, 80.699, 140.678



90, 80.699, 190.678



90, 80.699, 320.678



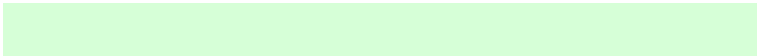
90, 80.699, 10.678

Sweetspot

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



90, 80.700, 140.678



96, 25.031, 144.235



97, 65.761, 105.930



51, 16.911, 144.082



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, 80.700, 140.678



89, 94.647, 139.370



91, 55.479, 158.715



52, 8.863, 144.688



68, 95.937, 136.246



22, 43.174, 137.332

Inverse Universe

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



70, 80.045, 328.082



66, 93.082, 328.541



68, 58.999, 350.655



50, 8.877, 325.749



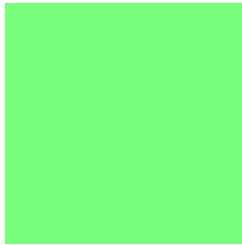
45, 90.948, 329.445



12, 41.958, 329.295

Previews

White Background



This preview shows how the CIE LCh color 90, 80.699, 140.678 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, 80.699, 140.678 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, 80.699, 140.678

Background



This preview shows how black text looks on a background with the CIELCh color 90, 80.699, 140.678.

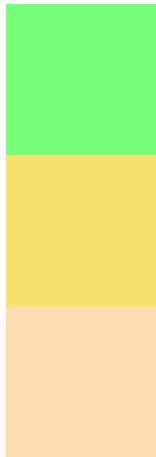


This preview shows how white text looks on a background with the CIELCh color 90, 80.699, 140.678.

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

90, 80.699, 140.678

Protanopia

89, 57.157, 95.762

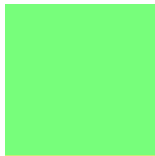
Deuteranopia

89, 26.577, 76.016

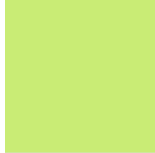


Tritanopia
90, 25.028, 218.858

Trichromacy



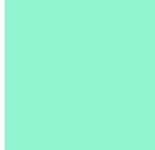
Original Color
90, 80.699, 140.678



Protanomaly
89, 60.902, 118.709



Deuteranomaly
89, 39.681, 121.782

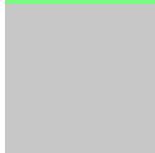


Tritanomaly
90, 38.123, 166.615

Monochromacy



Original Color
90, 80.699, 140.678



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 31.178, 143.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 80.699, 140.678 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(119, 254, 123)` looks like.

```
.text, #text, p{  
    color:rgb(119, 254, 123)  
}
```

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(119, 254, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 254, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 80.699, 140.678 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(119, 254, 123) }
```

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

```
.border{ border-color:rgb(119, 254, 123) }
```

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

Here you see how a box with a 4 pixel rgb(119, 254, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 254, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 254, 123);  
box-shadow:4px 4px 4px 4px rgb(119, 254,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 80.699, 140.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 254, 123) }
```

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

```
.background{ background-color: rgb(119,  
254, 123) }
```

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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