

Converting Colors

CIELCh(90, 77.931, 140.330)

Have a look what the booklet for
CIELCh(90, 77.931, 140.330)
contains.

CIELCh(90, 77.887, 140.274)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(90, 77.887, 140.274)

Conversions

Conversions Part 1

Format	Color
Hex	7EFD7E
RGB	126, 253, 126
RGB Percent	49%, 99%, 49%
CMY	0.5053, 0.0072, 0.5053
CMYK	0.50, 0.00, 0.50, 0.01
HSL	120°, 97%, 74%
HSV	120°, 50%, 99%
XYZ	47.5748, 76.3034, 32.0056
YIQ	200.5490, -34.9250, -66.4210

Conversions

Conversions Part 2

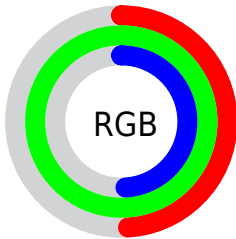
Format	Color
RYB	126, 253, 253
Decimal	8322430
CIELab	90.00, -59.90, 49.78
CIELCh	90, 77.887, 140.274
Yxy	76.3034, 0.3052, 0.4895
Android (android.graphics.Color)	4286512510 (0xFF7EFD7E)
YUV	200.5490, -36.7527, -65.3795
Hunter-Lab	87.3518, -55.6484, 39.4224

Details

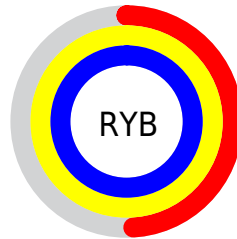
The CIELCh color **90, 77.887, 140.274** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **72, 77.445, 327.065**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 45.360, 140.775**, and **70, 77.764, 140.266** is the 20% darker color. If you saturate the color by 10%, you get **89, 91.121, 139.132**, and if you desaturate by 10%, it is **91, 63.309, 141.344**.

Distribution



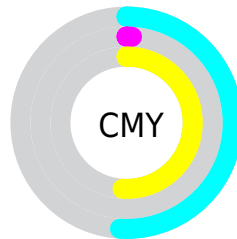
- Red (49%)
- Green (99%)
- Blue (49%)



- Red (49%)
- Yellow (99%)
- Blue (99%)



- Cyan (50%)
- Magenta (0%)
- Yellow (50%)
- Black (1%)




- Cyan (51%)
- Magenta (1%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 77.887, 140.274 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, 77.887, 140.274 by changing the saturation by 10% instead.


 90, 77.887,
140.274


 90, 77.887,
140.274


 100, 77.887,
140.274


 80, 77.887,
140.274

 70, 77.887,
140.274

 60, 77.887,
140.274


 50, 77.887,
140.274

 40, 77.887,
140.274


 30, 77.887,
140.274


 20, 77.887,


140.274


 10, 77.887,
140.274


 0, 77.887, 140.274


 90, 77.887,
140.274


 90, 77.887,
140.274


 89, 91.121,
139.132


 91, 63.309,
141.344


 88, 102.401,
138.003

 93, 47.892,
142.300

 88, 111.070,
137.023

 95, 32.048,
143.132

 87, 116.593,
136.343

 97, 16.093,
143.849

■ 87, 119.121,
136.016

■ 99, 0.261, 145.608
100, 1.153,
324.214

Harmonies

Complementary

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



90, 77.887, 140.274



72, 77.445, 327.065

Rectangle

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



90, 77.887, 140.274



90, 77.887, 190.274



90, 77.887, 320.274



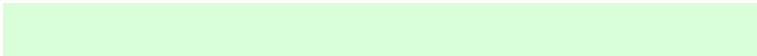
90, 77.887, 10.274

Sweetspot

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



90, 77.888, 140.274



97, 23.933, 143.515



97, 61.389, 104.621



51, 16.341, 143.362



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, 77.888, 140.274



90, 91.437, 139.149



91, 54.105, 157.435



52, 9.043, 143.893



68, 96.474, 136.015



22, 43.824, 136.775

Inverse Universe

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



72, 77.445, 327.065



68, 90.425, 327.463



69, 56.803, 348.104



50, 9.056, 324.944



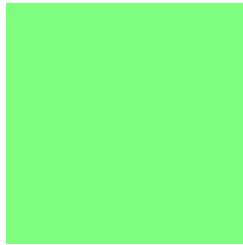
45, 93.083, 328.228



12, 42.823, 328.228

Previews

White Background



This preview shows how the CIE LCh color 90, 77.887, 140.274 looks on a white background.

Color Contrast Check

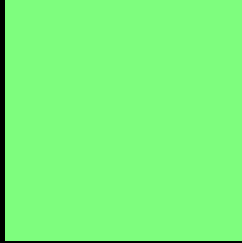
Large Text (above 18pt) WCAG AA × Fail

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, 77.887, 140.274 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

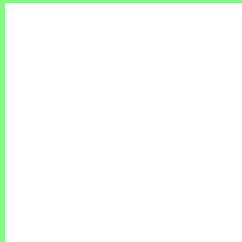
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 77.887, 140.274

Background



This preview shows how black text looks on a background with the CIELCh color 90, 77.887, 140.274.

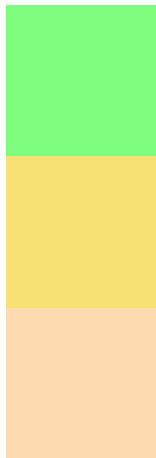


This preview shows how white text looks on a background with the CIELCh color 90, 77.887, 140.274.

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, 77.887, 140.274

Protanopia
89, 55.791, 95.660

Deuteranopia
89, 26.130, 75.489

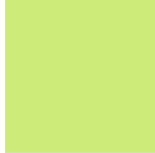


Tritanopia
90, 24.411, 220.802

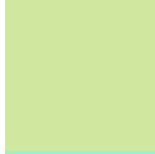
Trichromacy



Original Color
90, 77.887, 140.274



Protanomaly
89, 58.776, 117.740



Deuteranomaly
88, 37.954, 120.765

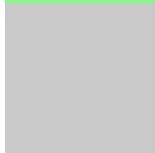


Tritanomaly
89, 36.302, 166.931

Monochromacy



Original Color
90, 77.887, 140.274



Achromatopsia
81, 0.010, 296.813



Achromatomaly
84, 29.646, 143.090

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 77.887, 140.274 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(126, 253, 126)` looks like.

```
.text, #text, p{  
    color:rgb(126, 253, 126)  
}
```

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(126, 253, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 253, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 77.887, 140.274 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(126, 253, 126) }
```

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

```
.border{ border-color:rgb(126, 253, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 253, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 253, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 253, 126);  
box-shadow:4px 4px 4px 4px rgb(126, 253,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 77.887, 140.274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 253, 126) }
```

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

```
.background{ background-color: rgb(126,  
253, 126) }
```

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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