

Converting Colors

CIELCh(90, 79.620, 126.970)

Have a look what the booklet for
CIELCh(90, 79.620, 126.970)
contains.

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Color

CIELCh(90, 79.732, 127.079)

Conversions

Conversions Part 1

Format	Color
Hex	A9F860
RGB	169, 248, 96
RGB Percent	66%, 97%, 38%
CMY	0.3378, 0.0280, 0.6241
CMYK	0.32, 0.00, 0.61, 0.03
HSL	91°, 91%, 67%
HSV	91°, 61%, 97%
XYZ	51.9566, 76.3034, 23.0213
YIQ	207.0510, 1.7080, -64.0200

Conversions

Conversions Part 2

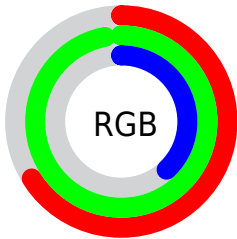
Format	Color
R _Y B	96, 248, 175
Decimal	11139168
CIE Lab	90.00, -48.07, 63.61
CIE LCh	90, 79.732, 127.079
Yxy	76.3034, 0.3434, 0.5044
Android (android.graphics.Color)	4289329248 (0xFFA9F860)
YUV	207.0510, -54.7481, -33.3707
Hunter-Lab	87.3518, -46.6944, 45.5205

Details

The CIELCh color **90, 79.732, 127.079** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **56, 87.090, 312.738**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 52.340, 117.875**, and **70, 79.792, 127.162** is the 20% darker color. If you saturate the color by 10%, you get **89, 90.106, 126.994**, and if you desaturate by 10%, it is **91, 67.998, 127.388**.

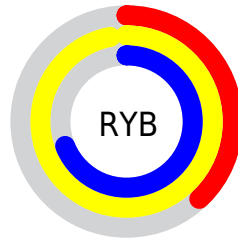
Distribution



Red (66%)

Green (97%)

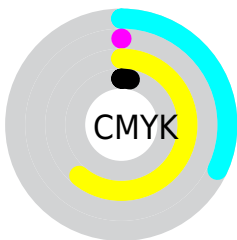
Blue (38%)



Red (38%)

Yellow (97%)

Blue (69%)

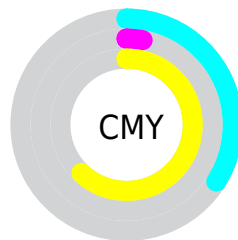


Cyan (32%)

Magenta (0%)

Yellow (61%)

Black (3%)



Cyan (34%)


Magenta (3%)


Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 79.732, 127.079 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, 79.732, 127.079 by changing the saturation by 10% instead.


 90, 79.732,
127.079


 90, 79.732,
127.079


 100, 79.732,
127.079


 80, 79.732,
127.079

 70, 79.732,
127.079

 60, 79.732,
127.079


 50, 79.732,
127.079

 40, 79.732,
127.079


 30, 79.732,
127.079


 20, 79.732,


127.079

 10, 79.732,
127.079


 0, 79.732, 127.079


 90, 79.732,
127.079


 90, 79.732,
127.079


 89, 90.106,
126.994


 91, 67.998,
127.388

 88, 98.529,
127.258

 92, 55.387,
127.816

 88, 104.488,
127.993

 93, 42.251,
128.296

 87, 107.767,
128.979

 94, 28.833,
128.787

96, 15.302,
129.265

97, 1.775, 129.783

98, 4.448, 324.527

Harmonies

Complementary

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



90, 79.732, 127.079



56, 87.090, 312.738

Rectangle

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



90, 79.732, 127.079



90, 79.732, 177.079



90, 79.732, 307.079



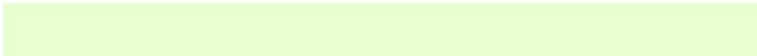
90, 79.732, 357.079

Sweetspot

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



90, 79.733, 127.080



97, 24.908, 128.947



77, 53.814, 69.188



52, 17.307, 128.806



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, 79.733, 127.080



91, 94.693, 127.026



87, 90.097, 139.398



52, 7.729, 129.351



68, 87.565, 128.707



22, 38.039, 127.308

Inverse Universe

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



56, 87.090, 312.738



51, 105.277, 313.065



66, 88.908, 328.025



48, 7.832, 310.167



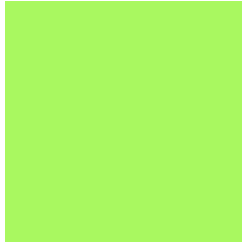
30, 99.098, 312.340



6, 43.257, 313.259

Previews

White Background



This preview shows how the CIELCh color 90, 79.732, 127.079 looks on a white background.

Color Contrast Check

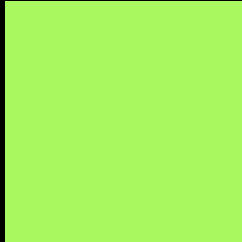
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 79.732, 127.079 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, 79.732, 127.079

Background



This preview shows how black text looks on a background with the CIELCh color 90, 79.732, 127.079.

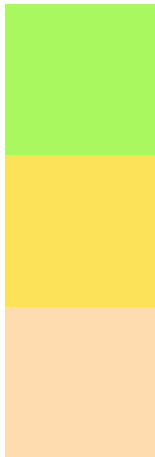


This preview shows how white text looks on a background with the CIELCh color 90, 79.732, 127.079.

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, 79.732, 127.079

Protanopia
90, 68.053, 95.594

Deuteranopia
90, 27.237, 77.738

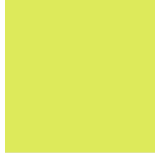


Tritanopia
90, 16.370, 236.038

Trichromacy



Original Color
90, 79.732, 127.079



Protanomaly
89, 69.648, 108.963



Deuteranomaly
89, 42.817, 109.854

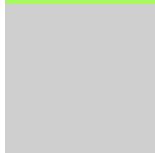


Tritanomaly
89, 29.936, 149.482

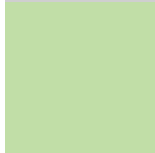
Monochromacy



Original Color
90, 79.732, 127.079



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 30.680, 128.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 79.732, 127.079 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(169, 248, 96)` looks like.

```
.text, #text, p{  
    color:rgb(169, 248, 96)  
}
```

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(169, 248, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 248, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 79.732, 127.079 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(169, 248, 96) }
```

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

```
.border{ border-color:rgb(169, 248, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 248, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 248, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 248, 96);  
box-shadow:4px 4px 4px 4px rgb(169, 248,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 79.732, 127.079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 248, 96) }
```

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

```
.background{ background-color: rgb(169,  
248, 96) }
```

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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