

Converting Colors

CIELCh(90, 79.706, 128.745)

Have a look what the booklet for
CIELCh(90, 79.706, 128.745)
contains.

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Color

CIELCh(90, 79.879, 128.677)

Conversions

Conversions Part 1

Format	Color
Hex	A4F963
RGB	164, 249, 99
RGB Percent	64%, 98%, 39%
CMY	0.3581, 0.0248, 0.6130
CMYK	0.34, 0.00, 0.60, 0.02
HSL	94°, 92%, 68%
HSV	94°, 60%, 98%
XYZ	51.2555, 76.3034, 23.7539
YIQ	206.4850, -2.5100, -64.6700

Conversions

Conversions Part 2

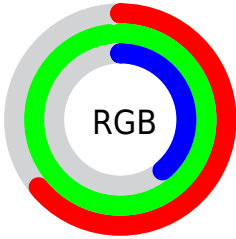
Format	Color
RYB	99, 249, 184
Decimal	10811747
CIELab	90.00, -49.92, 62.36
CIElCh	90, 79.879, 128.677
Yxy	76.3034, 0.3387, 0.5043
Android (android.graphics.Color)	4289001827 (0xFFA4F963)
YUV	206.4850, -52.9901, -37.2593
Hunter-Lab	87.3518, -48.1270, 45.0233

Details

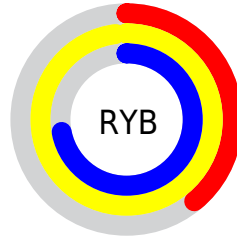
The CIELCh color **90, 79.879, 128.677** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **58, 86.053, 314.085**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 51.872, 120.182**, and **70, 80.018, 128.702** is the 20% darker color. If you saturate the color by 10%, you get **89, 90.609, 128.530**, and if you desaturate by 10%, it is **91, 67.827, 129.027**.

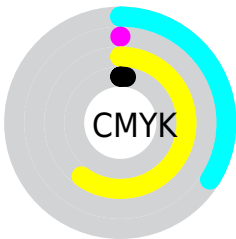
Distribution



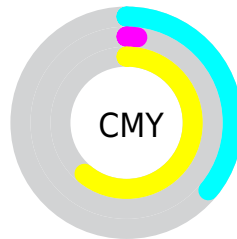
- Red (64%)
- Green (98%)
- Blue (39%)



- Red (39%)
- Yellow (98%)
- Blue (72%)



- Cyan (34%)
- Magenta (0%)
- Yellow (60%)
- Black (2%)





- Cyan (36%)
- Magenta (2%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 79.879, 128.677 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, 79.879, 128.677 by changing the saturation by 10% instead.

 90, 79.879,
128.677


 90, 79.879,
128.677

 100, 79.879,
128.677


 80, 79.879,
128.677

 70, 79.879,
128.677

 60, 79.879,
128.677

 50, 79.879,
128.677

 40, 79.879,
128.677

 30, 79.879,
128.677

 20, 79.879,

128.677

■ 10, 79.879,
128.677

■ 0, 79.879, 128.677

■ 90, 79.879,
128.677

■ 90, 79.879,
128.677

■ 89, 90.609,
128.530

■ 91, 67.827,
129.027

■ 88, 99.423,
128.710

■ 92, 54.929,
129.480

■ 88, 105.779,
129.344

■ 93, 41.531,
129.971

■ 87, 109.628,
130.369

■ 95, 27.875,
130.462

■ 96, 14.131,
130.934

■ 98, 0.415, 131.750

■ 98, 3.935, 324.500

Harmonies

Complementary

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



90, 79.879, 128.677



58, 86.053, 314.085

Rectangle

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



90, 79.879, 128.677



90, 79.879, 178.677



90, 79.879, 308.677



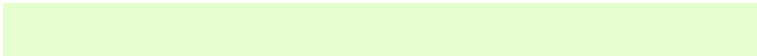
90, 79.879, 358.677

Sweetspot

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



90, 79.880, 128.678



97, 25.208, 130.572



79, 53.717, 74.041



51, 17.518, 130.432



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, 79.880, 128.678



91, 94.112, 128.534



88, 86.417, 140.759



51, 7.818, 130.971



68, 88.845, 130.104



22, 38.563, 128.782

Inverse Universe

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



58, 86.053, 314.085



53, 102.677, 314.343



66, 85.121, 329.609



48, 7.912, 311.761



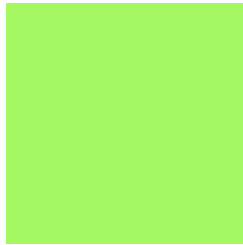
31, 98.103, 313.506



6, 43.252, 314.631

Previews

White Background



This preview shows how the CIE LCh color 90, 79.879, 128.677 looks on a white background.

Color Contrast Check

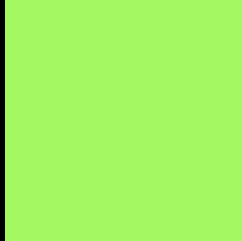
Large Text (above 18pt) WCAG AA × Fail

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, 79.879, 128.677 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

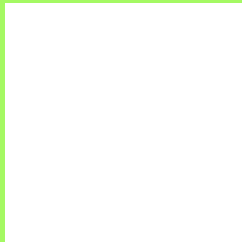
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 79.879, 128.677

Background



This preview shows how black text looks on a background with the CIELCh color 90, 79.879, 128.677.

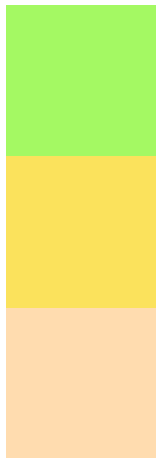


This preview shows how white text looks on a background with the CIELCh color 90, 79.879, 128.677.

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, 79.879, 128.677

Protanopia
90, 66.832, 95.544

Deuteranopia
90, 27.237, 77.738

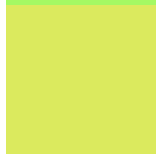


Tritanopia
90, 17.592, 232.971

Trichromacy



Original Color
90, 79.879, 128.677



Protanomaly
89, 68.510, 109.816



Deuteranomaly
89, 42.385, 110.999

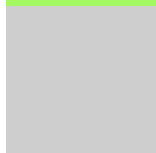


Tritanomaly
90, 31.078, 151.672

Monochromacy



Original Color
90, 79.879, 128.677



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 30.974, 130.146

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 79.879, 128.677 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(164, 249, 99)` looks like.

```
.text, #text, p{  
    color:rgb(164, 249, 99)  
}
```

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(164, 249, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 249, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 79.879, 128.677 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(164, 249, 99) }
```

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

```
.border{ border-color:rgb(164, 249, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 249, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 249, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 249, 99);  
box-shadow:4px 4px 4px 4px rgb(164, 249,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 79.879, 128.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 249, 99) }
```

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

```
.background{ background-color: rgb(164,  
249, 99) }
```

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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