

Converting Colors

CIELCh(90, 84.513, 126.321)

Have a look what the booklet for
CIELCh(90, 84.513, 126.321)
contains.

CIELCh(90, 84.477, 126.321)	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, 84.477, 126.321)

Conversions

Conversions Part 1

Format	Color
Hex	A7F955
RGB	167, 249, 85
RGB Percent	65%, 98%, 33%
CMY	0.3468, 0.0252, 0.6683
CMYK	0.33, 0.00, 0.66, 0.03
HSL	90°, 93%, 65%
HSV	90°, 66%, 97%
XYZ	51.2111, 76.3034, 20.5352
YIQ	205.7860, 3.7720, -68.3880

Conversions

Conversions Part 2

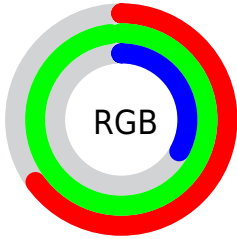
Format	Color
RYB	85, 249, 167
Decimal	11008341
CIELab	90.00, -50.04, 68.06
CIELCh	90, 84.477, 126.321
Yxy	76.3034, 0.3459, 0.5154
Android (android.graphics.Color)	4289198421 (0xFFA7F955)
YUV	205.7860, -59.5475, -34.0153
Hunter-Lab	87.3518, -48.2178, 47.2080

Details

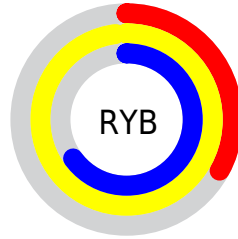
The CIELCh color **90, 84.477, 126.321** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **53, 93.461, 312.341**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 57.101, 117.421**, and **70, 84.404, 126.297** is the 20% darker color. If you saturate the color by 10%, you get **89, 93.969, 126.393**, and if you desaturate by 10%, it is **91, 73.357, 126.533**.

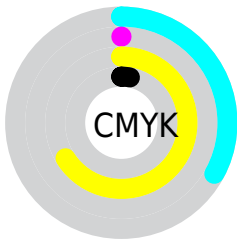
Distribution



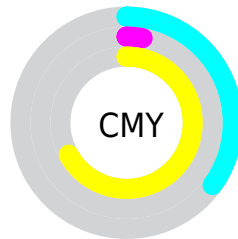
- Red (65%)
- Green (98%)
- Blue (33%)



- Red (33%)
- Yellow (98%)
- Blue (65%)



- Cyan (33%)
- Magenta (0%)
- Yellow (66%)
- Black (3%)





- Cyan (35%)
- Magenta (3%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 84.477, 126.321 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, 84.477, 126.321 by changing the saturation by 10% instead.


 90, 84.477,
126.321


 90, 84.477,
126.321


 100, 84.477,
126.321


 80, 84.477,
126.321

 70, 84.477,
126.321

 60, 84.477,
126.321

 50, 84.477,
126.321

 40, 84.477,
126.321

 30, 84.477,
126.321

 20, 84.477,

126.321

■ 10, 84.477,
126.321

■ 0, 84.477, 126.321

■ 90, 84.477,
126.321

■ 90, 84.477,
126.321

■ 89, 93.969,
126.393

■ 91, 73.357,
126.533

■ 89, 101.244,
126.878

■ 92, 61.150,
126.910

■ 88, 105.940,
127.868

■ 93, 48.269,
127.370

■ 88, 107.321,
128.348

■ 94, 35.002,
127.861

95, 21.547,
128.350

97, 8.040, 128.825

98, 3.740, 318.224

98, 4.000, 324.504

Harmonies

Complementary

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



90, 84.477, 126.321



53, 93.461, 312.341

Rectangle

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



90, 84.477, 126.321



90, 84.477, 176.321



90, 84.477, 306.321



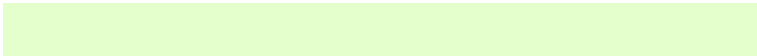
90, 84.477, 356.321

Sweetspot

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



90, 84.478, 126.322



97, 27.541, 128.153



75, 58.281, 66.952



51, 18.784, 128.015



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, 84.478, 126.322



91, 98.397, 126.495



87, 96.530, 138.477



52, 7.693, 128.658



69, 87.014, 128.070



22, 37.819, 126.649

Inverse Universe

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



53, 93.461, 312.341



48, 110.913, 312.571



64, 95.068, 327.669



48, 7.800, 309.489



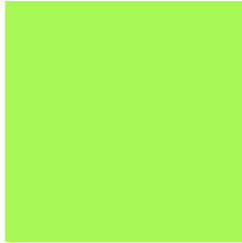
30, 99.521, 311.882



6, 43.245, 312.688

Previews

White Background



This preview shows how the CIE LCh color 90, 84.477, 126.321 looks on a white background.

Color Contrast Check

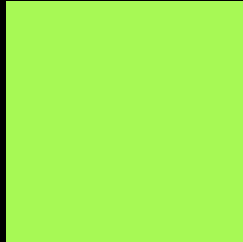
Large Text (above 18pt) WCAG AA × Fail

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, 84.477, 126.321 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

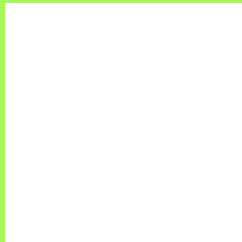
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 84.477, 126.321

Background



This preview shows how black text looks on a background with the CIELCh color 90, 84.477, 126.321.

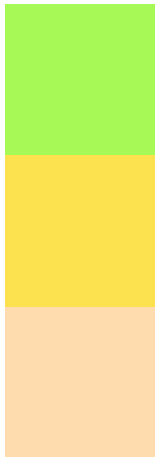


This preview shows how white text looks on a background with the CIELCh color 90, 84.477, 126.321.

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, 84.477, 126.321

Protanopia
90, 72.405, 95.396

Deuteranopia
90, 28.150, 78.652



Tritanopia
90, 16.614, 235.388

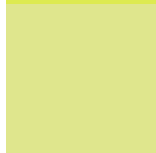
Trichromacy



Original Color
90, 84.477, 126.321



Protanomaly
89, 73.898, 108.391



Deuteranomaly
89, 45.279, 109.998

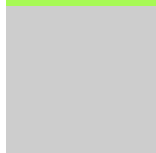


Tritanomaly
89, 32.423, 147.398

Monochromacy



Original Color
90, 84.477, 126.321



Achromatopsia
82, 0.010, 296.813



Achromatomaly
85, 33.248, 127.810

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 84.477, 126.321 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(167, 249, 85)` looks like.

```
.text, #text, p{  
    color:rgb(167, 249, 85)  
}
```

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(167, 249, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 249, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 84.477, 126.321 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(167, 249, 85) }
```

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

```
.border{ border-color:rgb(167, 249, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 249, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 249, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 249, 85);  
box-shadow:4px 4px 4px 4px rgb(167, 249,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 84.477, 126.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 249, 85) }
```

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

```
.background{ background-color: rgb(167,  
249, 85) }
```

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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