

Converting Colors

CIELCh(90, 97.060, 126.910)

Have a look what the booklet for
CIELCh(90, 97.060, 126.910)
contains.

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Color

CIELCh(90, 97.188, 126.893)

Conversions

Conversions Part 1

Format	Color
Hex	97FC37
RGB	151, 252, 55
RGB Percent	59%, 99%, 22%
CMY	0.4088, 0.0127, 0.7854
CMYK	0.40, 0.00, 0.78, 0.01
HSL	91°, 97%, 60%
HSV	91°, 78%, 99%
XYZ	48.1376, 76.3034, 15.7700
YIQ	199.3430, 3.0410, -82.6790

Conversions

Conversions Part 2

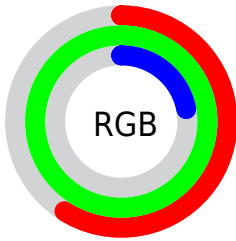
Format	Color
RYB	55, 252, 156
Decimal	9960503
CIELab	90.00, -58.34, 77.73
CIELCh	90, 97.188, 126.893
Yxy	76.3034, 0.3433, 0.5442
Android (android.graphics.Color)	4288150583 (0xFF97FC37)
YUV	199.3430, -71.1611, -42.3968
Hunter-Lab	87.3518, -54.4983, 50.4424

Details

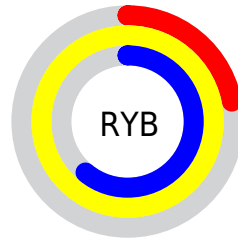
The CIELCh color **90, 97.188, 126.893** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **48, 108.895, 312.897**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 69.463, 119.582**, and **70, 90.297, 129.319** is the 20% darker color. If you saturate the color by 10%, you get **89, 103.984, 127.485**, and if you desaturate by 10%, it is **91, 88.026, 126.745**.

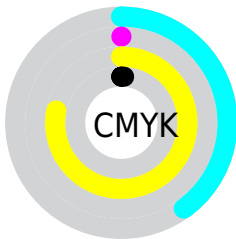
Distribution



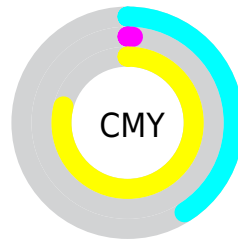
- Red (59%)
- Green (99%)
- Blue (22%)



- Red (22%)
- Yellow (99%)
- Blue (61%)



- Cyan (40%)
- Magenta (0%)
- Yellow (78%)
- Black (1%)





- Cyan (41%)
- Magenta (1%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 97.188, 126.893 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, 97.188, 126.893 by changing the saturation by 10% instead.


 90, 97.188,
126.893


 90, 97.188,
126.893


 100, 97.188,
126.893


 80, 97.188,
126.893

 70, 97.188,
126.893

 60, 97.188,
126.893

 50, 97.188,
126.893

 40, 97.188,
126.893

 30, 97.188,
126.893

 20, 97.188,

126.893

■ 10, 97.188,
126.893

■ 0, 97.188, 126.893

■ 90, 97.188,
126.893

■ 90, 97.188,
126.893

■ 89, 103.984,
127.485

■ 91, 88.026,
126.745

■ 89, 108.218,
128.566

■ 92, 77.073,
126.907

■ 89, 108.819,
128.767

■ 93, 64.903,
127.258

■ 94, 51.966,
127.707

95, 38.582,
128.194

96, 24.969,
128.683

98, 11.280,
129.158

99, 1.839, 315.489

99, 2.013, 324.358

Harmonies

Complementary

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



90, 97.188, 126.893



48, 108.895, 312.897

Rectangle

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



90, 97.188, 126.893



90, 97.188, 176.893



90, 97.188, 306.893



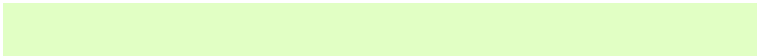
90, 97.188, 356.893

Sweetspot

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



90, 97.188, 126.894



97, 31.761, 128.452



72, 70.427, 65.045



51, 21.967, 128.274



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, 97.188, 126.894



90, 107.751, 128.062



87, 109.175, 137.195



52, 7.716, 129.101



68, 87.366, 128.480



22, 37.959, 127.072

Inverse Universe

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



48, 108.895, 312.897



43, 122.167, 312.393



62, 106.492, 327.993



48, 7.820, 309.922



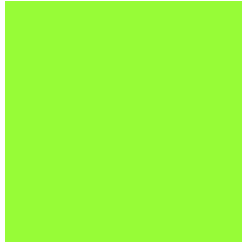
30, 99.251, 312.172



6, 43.253, 313.052

Previews

White Background



This preview shows how the CIE LCh color 90, 97.188, 126.893 looks on a white background.

Color Contrast Check

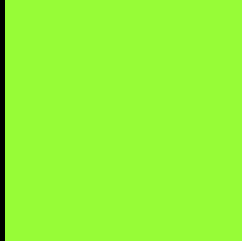
Large Text (above 18pt) WCAG AA × Fail

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, 97.188, 126.893 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, 97.188, 126.893

Background



This preview shows how black text looks on a background with the CIELCh color 90, 97.188, 126.893.

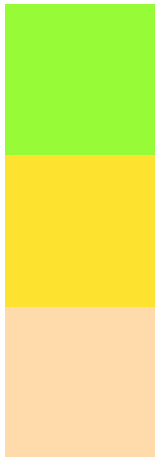


This preview shows how white text looks on a background with the CIELCh color 90, 97.188, 126.893.

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, 97.188, 126.893

Protanopia
90, 82.063, 95.281

Deuteranopia
89, 28.843, 78.379

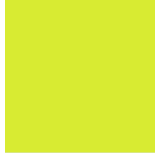


Tritanopia
90, 20.139, 226.253

Trichromacy



Original Color
90, 97.188, 126.893



Protanomaly
89, 84.054, 108.873

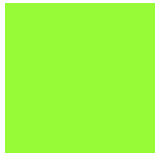


Deuteranomaly
89, 51.726, 112.217

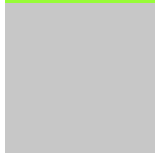


Tritanomaly
89, 40.783, 147.474

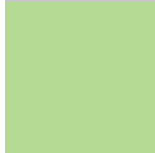
Monochromacy



Original Color
90, 97.188, 126.893



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 39.582, 128.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 97.188, 126.893 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(151, 252, 55)` looks like.

```
.text, #text, p{  
    color:rgb(151, 252, 55)  
}
```

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(151, 252, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 252, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 97.188, 126.893 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(151, 252, 55) }
```

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

```
.border{ border-color:rgb(151, 252, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 252, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 252, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 252, 55);  
box-shadow:4px 4px 4px 4px rgb(151, 252,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 97.188, 126.893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 252, 55) }
```

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

```
.background{ background-color: rgb(151,  
252, 55) }
```

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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