

Converting Colors

CIELCh(90, 97.510, 133.926)

Have a look what the booklet for
CIELCh(90, 97.510, 133.926)
contains.

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Color

CIELCh(90, 97.237, 133.876)

Conversions

Conversions Part 1

Format	Color
Hex	77FF4D
RGB	119, 255, 77
RGB Percent	47%, 100%, 30%
CMY	0.5314, 0.0000, 0.6962
CMYK	0.53, 0.00, 0.70, 0.00
HSL	106°, 100%, 65%
HSV	106°, 70%, 100%
XYZ	44.9320, 76.3034, 19.4648
YIQ	194.0440, -23.9180, -84.1900

Conversions

Conversions Part 2

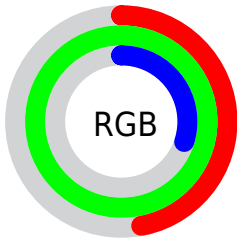
Format	Color
RYB	77, 255, 213
Decimal	7864141
CIELab	90.00, -67.39, 70.09
CIELCh	90, 97.237, 133.876
Yxy	76.3034, 0.3193, 0.5423
Android (android.graphics.Color)	4286054221 (0xFF77FF4D)
YUV	194.0440, -57.7027, -65.8136
Hunter-Lab	87.3518, -61.0488, 47.9345

Details

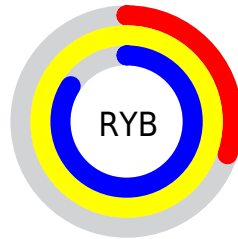
The CIELCh color **90, 97.237, 133.876** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **59, 99.612, 320.207**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 65.954, 130.791**, and **70, 96.354, 134.267** is the 20% darker color. If you saturate the color by 10%, you get **89, 106.461, 133.652**, and if you desaturate by 10%, it is **91, 85.471, 134.334**.

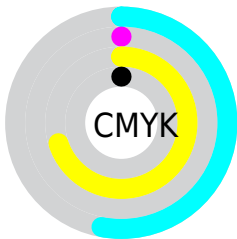
Distribution



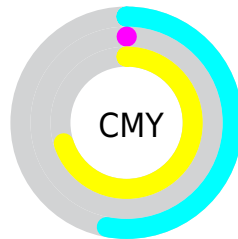
- Red (47%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (84%)



- Cyan (53%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 97.237, 133.876 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, 97.237, 133.876 by changing the saturation by 10% instead.


 90, 97.237,
133.876


 90, 97.237,
133.876


 100, 97.237,
133.876


 80, 97.237,
133.876

 70, 97.237,
133.876

 60, 97.237,
133.876

 50, 97.237,
133.876

 40, 97.237,
133.876

 30, 97.237,
133.876

 20, 97.237,

133.876

■ 10, 97.237,
133.876

■ 0, 97.237, 133.876

■ 90, 97.237,
133.876

■ 90, 97.237,
133.876

■ 89, 106.461,
133.652

■ 91, 85.471,
134.334

■ 89, 113.168,
133.821

■ 92, 72.432,
134.932

■ 88, 117.068,
134.364

■ 93, 58.440,
135.568

■ 88, 117.187,
134.383

■ 95, 43.891,
136.187

■ 96, 29.077,
136.762

■ 98, 14.209,
137.283

100, 0.012,
296.813

Harmonies

Complementary

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



90, 97.237, 133.876



59, 99.612, 320.207

Rectangle

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



90, 97.237, 133.876



90, 97.237, 183.876



90, 97.237, 313.876



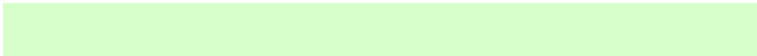
90, 97.237, 3.876

Sweetspot

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



90, 97.028, 133.865



96, 31.122, 136.686



86, 68.805, 88.175



51, 21.069, 136.530



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, 97.028, 133.865



89, 109.758, 133.673



89, 87.405, 144.751



52, 8.393, 137.289



68, 94.168, 134.202



23, 41.930, 133.339

Inverse Universe

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



59, 99.612, 320.207



54, 112.085, 320.054



63, 85.024, 337.788



50, 8.448, 318.098



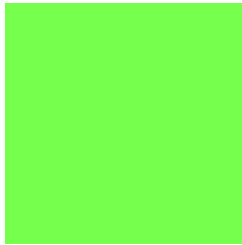
38, 95.403, 319.419



9, 43.695, 320.399

Previews

White Background



This preview shows how the CIE LCh color 90, 97.237, 133.876 looks on a white background.

Color Contrast Check

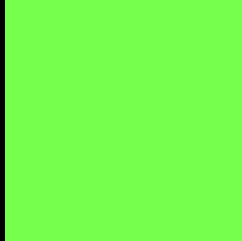
Large Text (above 18pt) WCAG AA × Fail

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, 97.237, 133.876 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

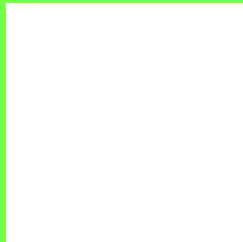
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 97.237, 133.876

Background



This preview shows how black text looks on a background with the CIELCh color 90, 97.237, 133.876.

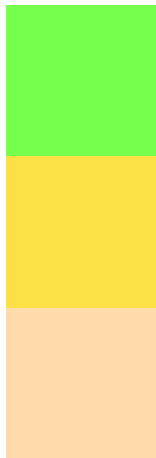


This preview shows how white text looks on a background with the CIELCh color 90, 97.237, 133.876.

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, 97.237, 133.876

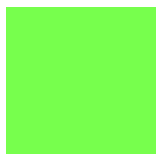
Protanopia
89, 75.267, 95.443

Deuteranopia
89, 29.082, 77.683

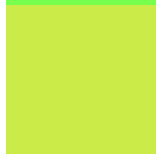


Tritanopia
90, 25.148, 220.061

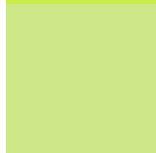
Trichromacy



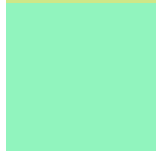
Original Color
90, 97.237, 133.876



Protanomaly
89, 78.615, 113.919



Deuteranomaly
88, 49.166, 117.889

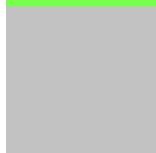


Tritanomaly
89, 44.187, 157.316

Monochromacy



Original Color
90, 97.237, 133.876



Achromatopsia
78, 0.009, 296.813



Achromatomaly
82, 38.397, 136.271

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 97.237, 133.876 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(119, 255, 77)` looks like.

```
.text, #text, p{  
    color:rgb(119, 255, 77)  
}
```

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(119, 255, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 255, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 97.237, 133.876 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(119, 255, 77) }
```

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

```
.border{ border-color:rgb(119, 255, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 255, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 255, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 255, 77);  
box-shadow:4px 4px 4px 4px rgb(119, 255,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 97.237, 133.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 255, 77) }
```

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

```
.background{ background-color: rgb(119,  
255, 77) }
```

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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