

Converting Colors

CIELCh(99, 106.301, 134.313)

Have a look what the booklet for
CIELCh(99, 106.301, 134.313)
contains.

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Color

CIELCh(90, 92.421, 133.557)

Conversions

Conversions Part 1

Format	Color
Hex	81FE56
RGB	129, 254, 86
RGB Percent	51%, 100%, 34%
CMY	0.4938, 0.0035, 0.6622
CMYK	0.49, 0.00, 0.66, 0.00
HSL	105°, 99%, 67%
HSV	105°, 66%, 100%
XYZ	46.2282, 76.3034, 21.1249
YIQ	197.4730, -20.5720, -78.7480

Conversions

Conversions Part 2

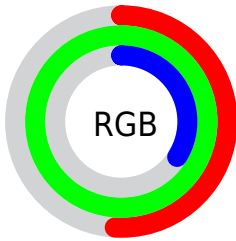
Format	Color
RYB	86, 254, 211
Decimal	8519254
CIELab	90.00, -63.69, 66.98
CIElCh	90, 92.421, 133.557
Yxy	76.3034, 0.3218, 0.5312
Android (android.graphics.Color)	4286709334 (0xFF81FE56)
YUV	197.4730, -54.9562, -60.0508
Hunter-Lab	87.3518, -58.4001, 46.8077

Details

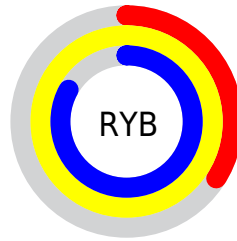
The CIELCh color **90, 92.421, 133.557** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted chartreuse. A complement of this color would be **60, 95.375, 319.591**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 61.116, 129.760**, and **70, 92.282, 133.585** is the 20% darker color. If you saturate the color by 10%, you get **89, 102.642, 133.284**, and if you desaturate by 10%, it is **91, 80.345, 134.048**.

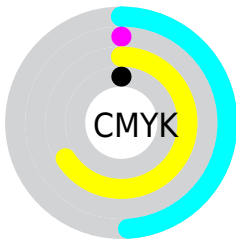
Distribution



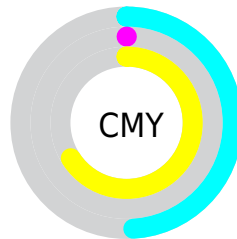
- Red (51%)
- Green (100%)
- Blue (34%)



- Red (34%)
- Yellow (100%)
- Blue (83%)



- Cyan (49%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 92.421, 133.557 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, 92.421, 133.557 by changing the saturation by 10% instead.


 90, 92.421,
133.557


 90, 92.421,
133.557


 100, 92.421,
133.557


 80, 92.421,
133.557

 70, 92.421,
133.557

 60, 92.421,
133.557


 50, 92.421,
133.557

 40, 92.421,
133.557


 30, 92.421,
133.557


 20, 92.421,


133.557


 10, 92.421,
133.557


 0, 92.421, 133.557

 90, 92.421,
133.557


 90, 92.421,
133.557


 89, 102.642,
133.284


 91, 80.345,
134.048


 89, 110.364,
133.359

 92, 67.014,
134.638

 88, 115.186,
133.867

 93, 52.902,
135.250

 88, 116.479,
134.115

 95, 38.357,
135.839

■ 97, 23.633,
136.383

■ 98, 8.912, 136.882

100, 0.556,
323.905

Harmonies

Complementary

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



90, 92.421, 133.557



60, 95.375, 319.591

Rectangle

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



90, 92.421, 133.557



90, 92.421, 183.557



90, 92.421, 313.557



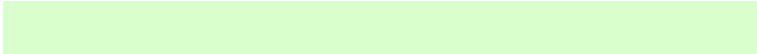
90, 92.421, 3.557

Sweetspot

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



90, 92.422, 133.558



96, 29.465, 136.177



86, 64.924, 87.405



51, 20.109, 136.023



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, 92.422, 133.558



89, 105.451, 133.264



89, 84.636, 144.773



52, 8.346, 136.715



68, 93.836, 133.925



23, 41.756, 132.987

Inverse Universe

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



60, 95.375, 319.591



55, 108.565, 319.569



64, 82.846, 336.648



50, 8.405, 317.514



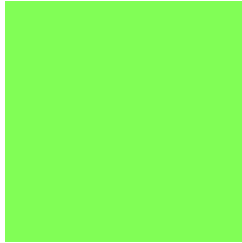
37, 95.703, 318.784



9, 43.807, 319.823

Previews

White Background



This preview shows how the CIE LCh color 90, 92.421, 133.557 looks on a white background.

Color Contrast Check

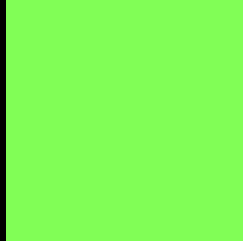
Large Text (above 18pt) WCAG AA × Fail

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, 92.421, 133.557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

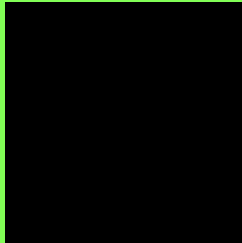
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

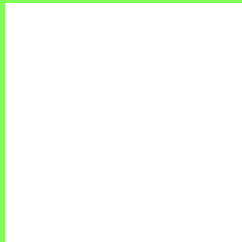
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 92.421, 133.557

Background



This preview shows how black text looks on a background with the CIELCh color 90, 92.421, 133.557.

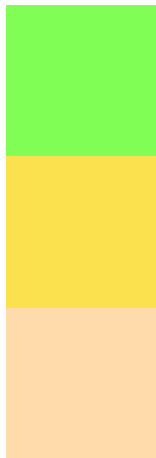


This preview shows how white text looks on a background with the CIELCh color 90, 92.421, 133.557.

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, 92.423, 133.547

Protanopia
89, 72.029, 95.355

Deuteranopia
89, 28.386, 77.940



Tritanopia
90, 23.915, 221.326

Trichromacy



Original Color
90, 92.423, 133.547



Protanomaly
89, 75.123, 113.351



Deuteranomaly
89, 47.072, 117.560

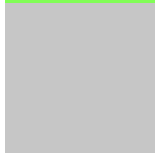


Tritanomaly
89, 40.569, 158.038

Monochromacy



Original Color
90, 92.423, 133.547



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 36.232, 135.546

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 92.421, 133.557 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(129, 254, 86)` looks like.

```
.text, #text, p{  
    color:rgb(129, 254, 86)  
}
```

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(129, 254, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 254, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 92.421, 133.557 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(129, 254, 86) }
```

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

```
.border{ border-color:rgb(129, 254, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 254, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 254, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 254, 86);  
box-shadow:4px 4px 4px 4px rgb(129, 254,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 92.421, 133.557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 254, 86) }
```

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

```
.background{ background-color: rgb(129,  
254, 86) }
```

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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