

Converting Colors

CIELCh(90, 83.986, 133.455)

Have a look what the booklet for
CIELCh(90, 83.986, 133.455)
contains.

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Color

CIELCh(90, 84.176, 133.433)

Conversions

Conversions Part 1

Format	Color
Hex	8EFC65
RGB	142, 252, 101
RGB Percent	56%, 99%, 40%
CMY	0.4432, 0.0118, 0.6039
CMYK	0.44, 0.00, 0.60, 0.01
HSL	104°, 96%, 69%
HSV	104°, 60%, 99%
XYZ	48.3091, 76.3034, 24.4913
YIQ	201.8960, -17.0890, -70.2810

Conversions

Conversions Part 2

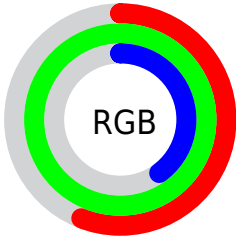
Format	Color
RYB	101, 252, 211
Decimal	9370725
CIELab	90.00, -57.87, 61.13
CIElCh	90, 84.176, 133.433
Yxy	76.3034, 0.3240, 0.5117
Android (android.graphics.Color)	4287560805 (0xFF8EFC65)
YUV	201.8960, -49.7417, -52.5288
Hunter-Lab	87.3518, -54.1479, 44.5228

Details

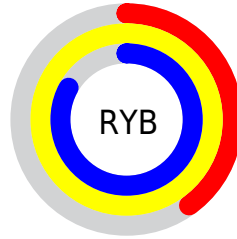
The CIELCh color **90, 84.176, 133.433** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **62, 87.138, 318.995**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 53.727, 128.823**, and **70, 84.420, 133.511** is the 20% darker color. If you saturate the color by 10%, you get **89, 95.520, 133.043**, and if you desaturate by 10%, it is **91, 71.393, 133.971**.

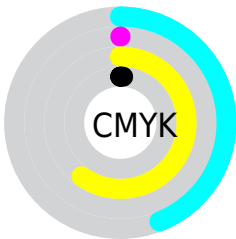
Distribution



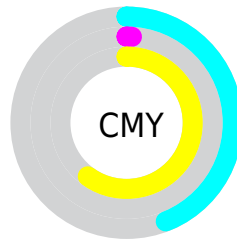
- Red (56%)
- Green (99%)
- Blue (40%)



- Red (40%)
- Yellow (99%)
- Blue (83%)



- Cyan (44%)
- Magenta (0%)
- Yellow (60%)
- Black (1%)




- Cyan (44%)
- Magenta (1%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 84.176, 133.433 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, 84.176, 133.433 by changing the saturation by 10% instead.


 90, 84.176,
133.433


 90, 84.176,
133.433


 100, 84.176,
133.433


 80, 84.176,
133.433

 70, 84.176,
133.433

 60, 84.176,
133.433

 50, 84.176,
133.433

 40, 84.176,
133.433

 30, 84.176,
133.433

 20, 84.176,


133.433


 10, 84.176,
133.433


 0, 84.176, 133.433


 90, 84.176,
133.433


 90, 84.176,
133.433


 89, 95.520,
133.043


 91, 71.393,
133.971


 88, 104.796,
132.925

 92, 57.686,
134.562

 88, 111.417,
133.205

 94, 43.438,
135.149

 87, 115.351,
133.863

 95, 28.930,
135.700

■ 87, 115.376,
133.868

■ 97, 14.361,
136.206

■ 99, 0.124, 314.815

■ 99, 1.874, 324.342

Harmonies

Complementary

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



90, 84.176, 133.433



62, 87.138, 318.995

Rectangle

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



90, 84.176, 133.433



90, 84.176, 183.433



90, 84.176, 313.433



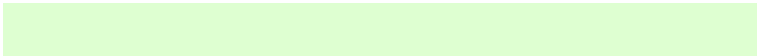
90, 84.176, 3.433

Sweetspot

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



90, 84.177, 133.434



97, 26.382, 135.800



86, 58.263, 87.010



51, 18.341, 135.647



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, 84.177, 133.434



90, 98.566, 132.990



89, 78.360, 145.171



51, 8.171, 136.227



67, 92.596, 133.663



22, 40.253, 132.834

Inverse Universe

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



62, 87.138, 318.995



57, 102.119, 319.133



66, 77.415, 335.361



49, 8.231, 317.017



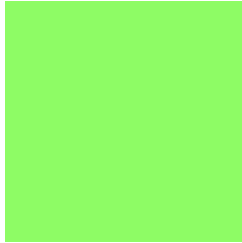
36, 95.008, 318.267



8, 42.738, 319.406

Previews

White Background



This preview shows how the CIE LCh color 90, 84.176, 133.433 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, 84.176, 133.433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

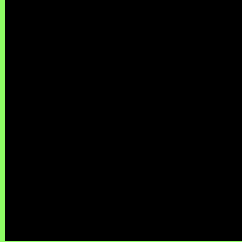
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

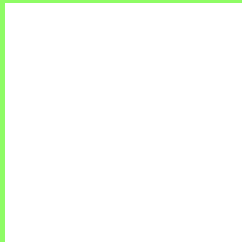
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 84.176, 133.433

Background



This preview shows how black text looks on a background with the CIELCh color 90, 84.176, 133.433.

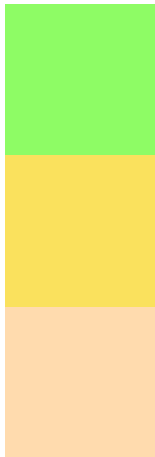


This preview shows how white text looks on a background with the CIELCh color 90, 84.176, 133.433.

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, 84.176, 133.433

Protanopia
89, 66.022, 95.480

Deuteranopia
89, 27.477, 77.013

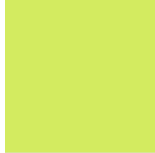


Tritanopia
90, 22.578, 224.367

Trichromacy



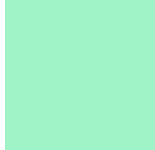
Original Color
90, 84.176, 133.433



Protanomaly
89, 68.559, 112.936



Deuteranomaly
89, 43.293, 115.601

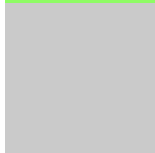


Tritanomaly
89, 36.307, 159.154

Monochromacy



Original Color
90, 84.176, 133.433



Achromatopsia
81, 0.010, 296.813



Achromatomaly
84, 32.516, 135.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 84.176, 133.433 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(142, 252, 101)` looks like.

```
.text, #text, p{  
    color:rgb(142, 252, 101)  
}
```

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(142, 252, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 252, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 84.176, 133.433 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(142, 252, 101) }
```

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

```
.border{ border-color:rgb(142, 252, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 252, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 252, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 252, 101);  
box-shadow:4px 4px 4px 4px rgb(142, 252,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 84.176, 133.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 252, 101) }
```

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

```
.background{ background-color: rgb(142,  
252, 101) }
```

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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