

Converting Colors

CIELCh(84, 90.614, 133.440)

Have a look what the booklet for
CIELCh(84, 90.614, 133.440)
contains.

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Color

CIELCh(84, 90.603, 133.431)

Conversions

Conversions Part 1

Format	Color
Hex	72EC48
RGB	114, 236, 72
RGB Percent	45%, 93%, 28%
CMY	0.5528, 0.0743, 0.7174
CMYK	0.52, 0.00, 0.69, 0.07
HSL	105°, 81%, 60%
HSV	105°, 69%, 93%
XYZ	38.1253, 64.0658, 16.4952
YIQ	180.8260, -20.0680, -76.8680

Conversions

Conversions Part 2

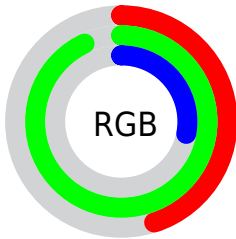
Format	Color
RYB	72, 236, 194
Decimal	7531592
CIELab	84.00, -62.29, 65.80
CIElCh	84, 90.603, 133.431
Yxy	64.0658, 0.3212, 0.5398
Android (android.graphics.Color)	4285721672 (0xFF72EC48)
YUV	180.8260, -53.6512, -58.6064
Hunter-Lab	80.0411, -55.0486, 43.8100

Details

The CIELCh color **84, 90.603, 133.431** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **54, 93.495, 319.602**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 69.424, 131.252**, and **64, 89.341, 133.935** is the 20% darker color. If you saturate the color by 10%, you get **83, 99.567, 133.254**, and if you desaturate by 10%, it is **85, 79.708, 133.866**.

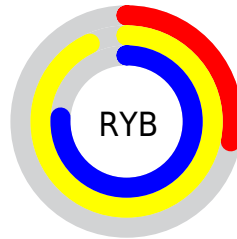
Distribution



Red (45%)

Green (93%)

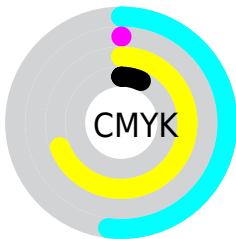
Blue (28%)



Red (28%)

Yellow (93%)

Blue (76%)

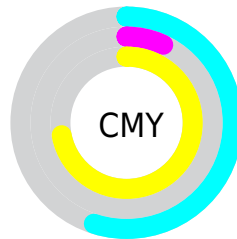


Cyan (52%)

Magenta (0%)

Yellow (69%)

Black (7%)



Cyan (55%)


Magenta (7%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 90.603, 133.431 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 84, 90.603, 133.431 by changing the saturation by 10% instead.


 84, 90.603,
133.431

 84, 90.603,
133.431


 100, 90.603,
133.431


 74, 90.603,
133.431

 64, 90.603,
133.431

 54, 90.603,
133.431

 44, 90.603,
133.431

 34, 90.603,
133.431

 24, 90.603,
133.431

 14, 90.603,

133.431

■ 4, 90.603, 133.431

■ 0, 90.603, 133.431

■ 84, 90.603,
133.431

■ 84, 90.603,
133.431

■ 83, 99.567,
133.254

■ 85, 79.708,
133.866

■ 83, 106.032,
133.457

■ 86, 67.472,
134.431

■ 82, 109.914,
134.036


■ 87, 54.375,
135.040

■ 82, 110.084,
134.064


■ 88, 40.779,
135.637


■ 90, 26.945,

136.194

 92, 13.064,
136.703

 94, 0.729, 316.829

 95, 11.732,
324.152

 95, 11.824,
324.826

Harmonies

Complementary

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



84, 90.603, 133.431



54, 93.495, 319.602

Rectangle

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



84, 90.603, 133.431



84, 90.603, 183.431



84, 90.603, 313.431



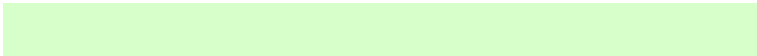
84, 90.603, 3.431

Sweetspot

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



84, 90.603, 133.432



96, 30.938, 136.108



80, 63.916, 86.948



51, 20.944, 135.956



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84, 90.603, 133.432



89, 108.552, 133.282



83, 83.052, 144.276



48, 7.792, 136.704



65, 90.028, 133.873



19, 36.119, 133.925

Inverse Universe

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



54, 93.495, 319.602



53, 111.601, 319.466



59, 80.756, 336.936



46, 7.847, 317.495



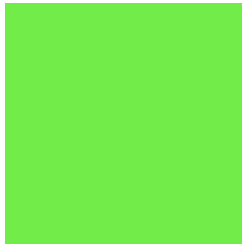
35, 91.872, 318.800



6, 38.583, 319.813

Previews

White Background



This preview shows how the CIELCh color 84, 90.603, 133.431 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 84, 90.603, 133.431 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 84, 90.603, 133.431

Background



This preview shows how black text looks on a background with the CIELCh color 84, 90.603, 133.431.

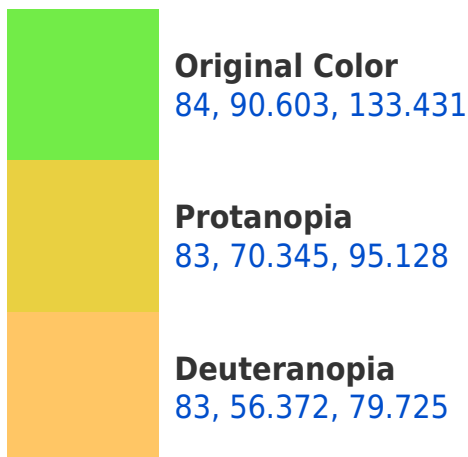



This preview shows how white text looks on a background with the CIELCh color 84, 90.603, 133.431.

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





Tritanopia
84, 24.715, 220.774

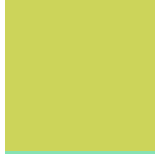
Trichromacy



Original Color
84, 90.603, 133.431



Protanomaly
83, 73.086, 113.251



Deuteranomaly
82, 61.057, 107.987

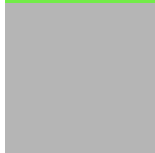


Tritanomaly
83, 40.859, 158.484

Monochromacy



Original Color
84, 90.603, 133.431



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 36.125, 135.319

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 90.603, 133.431 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(114, 236, 72)` looks like.

```
.text, #text, p{  
    color:rgb(114, 236, 72)  
}
```

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(114, 236, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 236, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 90.603, 133.431 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(114, 236, 72) }
```

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

```
.border{ border-color:rgb(114, 236, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 236, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 236, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 236, 72);  
box-shadow:4px 4px 4px 4px rgb(114, 236,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 90.603, 133.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 236, 72) }
```

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

```
.background{ background-color: rgb(114,  
236, 72) }
```

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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