

Converting Colors

CIELCh(88, 84.825, 149.004)

Have a look what the booklet for
CIELCh(88, 84.825, 149.004)
contains.

CIELCh(88, 84.671, 149.034)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(88, 84.671, 149.034)

Conversions

Conversions Part 1

Format	Color
Hex	2FFC85
RGB	47, 252, 133
RGB Percent	18%, 99%, 52%
CMY	0.8141, 0.0109, 0.4777
CMYK	0.81, 0.00, 0.47, 0.01
HSL	145°, 97%, 59%
HSV	145°, 81%, 99%
XYZ	40.3142, 72.0653, 34.0438
YIQ	177.1390, -83.9810, -80.4690

Conversions

Conversions Part 2

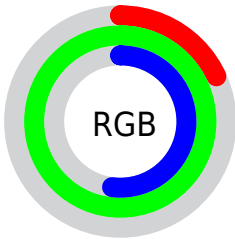
Format	Color
RYB	47, 191, 252
Decimal	3144837
CIELab	88.00, -72.60, 43.57
CIELCh	88, 84.671, 149.034
Yxy	72.0653, 0.2753, 0.4922
Android (android.graphics.Color)	4281334917 (0xFF2FFC85)
YUV	177.1390, -21.7605, -114.1319
Hunter-Lab	84.8913, -63.7916, 35.6469

Details

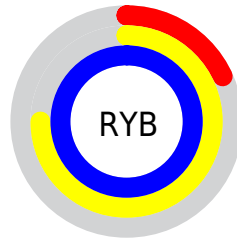
The CIELCh color **88, 84.671, 149.034** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **58, 82.625, 349.748**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 54.566, 156.944**, and **69, 78.665, 145.286** is the 20% darker color. If you saturate the color by 10%, you get **88, 91.407, 146.907**, and if you desaturate by 10%, it is **89, 76.820, 150.973**.

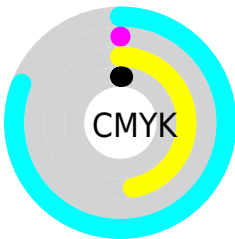
Distribution



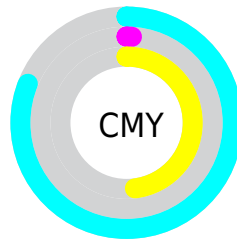
- Red (18%)
- Green (99%)
- Blue (52%)



- Red (18%)
- Yellow (75%)
- Blue (99%)



- Cyan (81%)
- Magenta (0%)
- Yellow (47%)
- Black (1%)



- Cyan (81%)
- Magenta (1%)
- Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 84.671, 149.034 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 88, 84.671, 149.034 by changing the saturation by 10% instead.


 88, 84.671,
149.034

 88, 84.671,
149.034

 100, 84.671,
149.034


 78, 84.671,
149.034


 68, 84.671,
149.034

 58, 84.671,
149.034

 48, 84.671,
149.034

 38, 84.671,
149.034


 28, 84.671,
149.034

 18, 84.671,


149.034


 8, 84.671, 149.034


 0, 84.671, 149.034


 88, 84.671,
149.034


 88, 84.671,
149.034


 88, 91.407,
146.907

 89, 76.820,
150.973

 87, 96.512,
144.963

 89, 67.898,
152.702


 90, 58.035,
154.223

 92, 47.415,
155.556

 93, 36.247,

156.722

 95, 24.735,
157.749

 97, 13.064,
158.666

 99, 1.388, 159.756

 99, 1.738, 324.325

Harmonies

Complementary

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



88, 84.671, 149.034



58, 82.625, 349.748

Rectangle

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



88, 84.671, 149.034



88, 84.671, 199.034



88, 84.671, 329.034



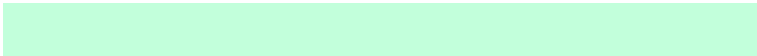
88, 84.671, 19.034

Sweetspot

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



88, 84.672, 149.034



95, 28.231, 157.473



91, 96.780, 123.533



50, 19.366, 157.109



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 84.672, 149.034



88, 95.649, 145.600



90, 50.802, 186.109



51, 6.577, 158.816



67, 76.890, 145.387



22, 32.416, 148.711

Inverse Universe

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



58, 82.625, 349.748



56, 86.347, 354.274



55, 85.384, 29.527



49, 6.636, 340.222



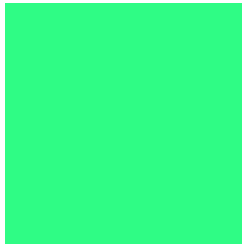
41, 69.124, 354.593



10, 32.041, 350.084

Previews

White Background



This preview shows how the CIELCh color 88, 84.671, 149.034 looks on a white background.

Color Contrast Check

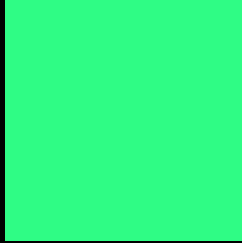
Large Text (above 18pt) WCAG AA × Fail

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 88, 84.671, 149.034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

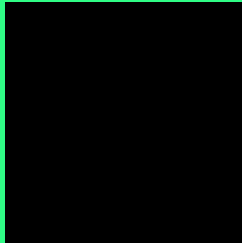
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 84.671, 149.034

Background



This preview shows how black text looks on a background with the CIELCh color 88, 84.671, 149.034.

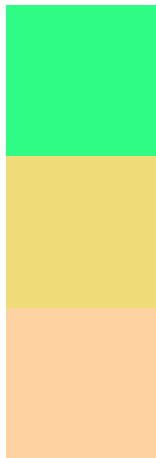


This preview shows how white text looks on a background with the CIELCh color 88, 84.671, 149.034.

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

88, 84.671, 149.034

Protanopia

87, 50.701, 95.970

Deuteranopia

87, 31.787, 74.000



Tritanopia
88, 34.591, 213.319

Trichromacy



Original Color
88, 84.671, 149.034



Protanomaly
86, 58.747, 129.518



Deuteranomaly
85, 42.584, 131.388



Tritanomaly
88, 47.574, 175.662

Monochromacy



Original Color
88, 84.671, 149.034



Achromatopsia
72, 0.009, 296.813



Achromatomaly
76, 35.342, 156.205

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 84.671, 149.034 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(47, 252, 133)` looks like.

```
.text, #text, p{  
    color:rgb(47, 252, 133)  
}
```

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(47, 252, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 252, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 84.671, 149.034 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(47, 252, 133) }
```

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

```
.border{ border-color:rgb(47, 252, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 252, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 252, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 252, 133);  
box-shadow:4px 4px 4px 4px rgb(47, 252,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 84.671, 149.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 252, 133) }
```

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

```
.background{ background-color: rgb(47, 252,  
133) }
```

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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