

Converting Colors

CIELCh(88, 86.003, 148.345)

Have a look what the booklet for
CIELCh(88, 86.003, 148.345)
contains.

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Color

CIELCh(88, 85.787, 148.404)

Conversions

Conversions Part 1

Format	Color
Hex	30FC82
RGB	48, 252, 130
RGB Percent	19%, 99%, 51%
CMY	0.8132, 0.0105, 0.4890
CMYK	0.81, 0.00, 0.48, 0.01
HSL	144°, 97%, 59%
HSV	144°, 81%, 99%
XYZ	40.1640, 72.0653, 33.0158
YIQ	177.0960, -82.4220, -81.1900

Conversions

Conversions Part 2

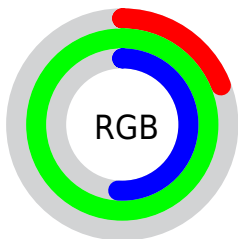
Format	Color
RYB	48, 194, 252
Decimal	3210370
CIELab	88.00, -73.07, 44.95
CIELCh	88, 85.787, 148.404
Yxy	72.0653, 0.2765, 0.4962
Android (android.graphics.Color)	4281400450 (0xFF30FC82)
YUV	177.0960, -23.2183, -113.2172
Hunter-Lab	84.8913, -64.1074, 36.3649

Details

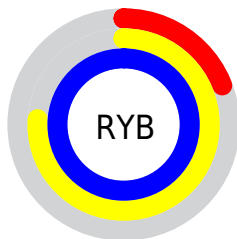
The CIELCh color **88, 85.787, 148.404** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **58, 83.237, 348.664**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 55.673, 155.803**, and **69, 79.759, 144.656** is the 20% darker color. If you saturate the color by 10%, you get **88, 92.634, 146.293**, and if you desaturate by 10%, it is **89, 77.801, 150.332**.

Distribution



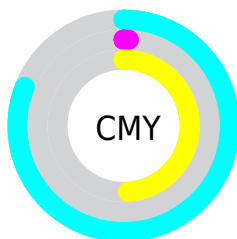
- Red (19%)
- Green (99%)
- Blue (51%)



- Red (19%)
- Yellow (76%)
- Blue (99%)



- Cyan (81%)
- Magenta (0%)
- Yellow (48%)
- Black (1%)



- Cyan (81%)
- Magenta (1%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 85.787, 148.404 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, 85.787, 148.404 by changing the saturation by 10% instead.

■ 88, 85.787,
148.404

■ 88, 85.787,
148.404

■ 100, 85.787,
148.404

■ 78, 85.787,
148.404

■ 68, 85.787,
148.404

■ 58, 85.787,
148.404

■ 48, 85.787,
148.404

■ 38, 85.787,
148.404


■ 28, 85.787,
148.404

■ 18, 85.787,

148.404


 8, 85.787, 148.404


 0, 85.787, 148.404


 88, 85.787,
148.404


 88, 85.787,
148.404


 88, 92.634,
146.293

 89, 77.801,
150.332

 87, 97.853,
144.352


 89, 68.728,
152.051


 90, 58.706,
153.565

 92, 47.926,
154.889

 93, 36.599,

156.047

 95, 24.934,
157.064

 97, 13.119,
157.970

 99, 1.308, 159.066

 99, 1.666, 324.314

Harmonies

Complementary

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



88, 85.787, 148.404



58, 83.237, 348.664

Rectangle

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



88, 85.787, 148.404



88, 85.787, 198.404



88, 85.787, 328.404



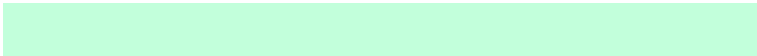
88, 85.787, 18.404

Sweetspot

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



88, 85.788, 148.404



95, 28.560, 156.782



91, 96.293, 122.870



50, 19.595, 156.421



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, 85.788, 148.404



88, 96.948, 144.982



90, 51.560, 184.196



51, 6.651, 158.111



67, 77.931, 144.772



22, 32.849, 148.073

Inverse Universe

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



58, 83.237, 348.664



56, 86.895, 352.974



55, 84.540, 28.343



49, 6.707, 339.499



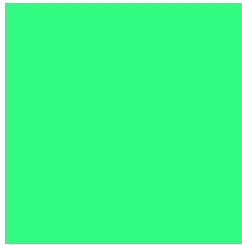
41, 69.555, 353.277



10, 32.266, 349.013

Previews

White Background



This preview shows how the CIE LCh color 88, 85.787, 148.404 looks on a white background.

Color Contrast Check

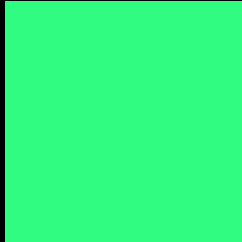
Large Text (above 18pt) WCAG AA × Fail

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, 85.787, 148.404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

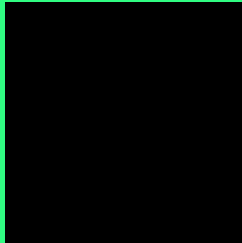
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 85.787, 148.404

Background



This preview shows how black text looks on a background with the CIELCh color 88, 85.787, 148.404.

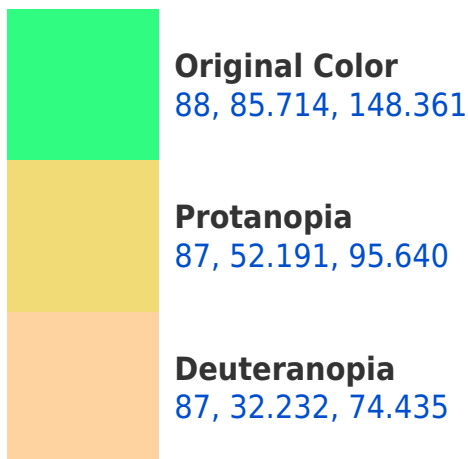


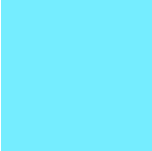
This preview shows how white text looks on a background with the CIELCh color 88, 85.787, 148.404.

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
88, 34.591, 213.319

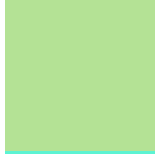
Trichromacy



Original Color
88, 85.714, 148.361



Protanomaly
86, 59.896, 128.620



Deuteranomaly
85, 43.505, 130.820

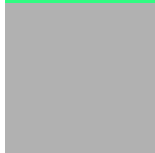


Tritanomaly
87, 47.852, 175.102

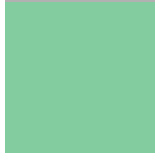
Monochromacy



Original Color
88, 85.714, 148.361



Achromatopsia
72, 0.009, 296.813



Achromatomaly
76, 35.726, 155.592

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 85.787, 148.404 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(48, 252, 130)` looks like.

```
.text, #text, p{  
    color:rgb(48, 252, 130)  
}
```

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(48, 252, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 252, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 85.787, 148.404 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(48, 252, 130) }
```

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

```
.border{ border-color:rgb(48, 252, 130) }
```

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

Here you see how a box with a 4 pixel rgb(48, 252, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 252, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 252, 130);  
box-shadow:4px 4px 4px 4px rgb(48, 252,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 85.787, 148.404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 252, 130) }
```

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

```
.background{ background-color: rgb(48, 252,  
130) }
```

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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