

Converting Colors

CIELCh(88, 97.419, 118.766)

Have a look what the booklet for
CIELCh(88, 97.419, 118.766)
contains.

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Color

CIELCh(88, 97.307, 118.819)

Conversions

Conversions Part 1

Format	Color
Hex	AFF100
RGB	175, 241, 0
RGB Percent	69%, 95%, 0%
CMY	0.3135, 0.0547, 0.9991
CMYK	0.27, 0.00, 1.00, 0.05
HSL	76°, 100%, 47%
HSV	76°, 100%, 95%
XYZ	49.1656, 72.0653, 11.3245
YIQ	193.7920, 38.0250, -88.9430

Conversions

Conversions Part 2

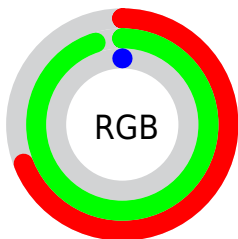
Format	Color
RYB	0, 241, 66
Decimal	11530496
CIELab	88.00, -46.91, 85.26
CIELCh	88, 97.307, 118.819
Yxy	72.0653, 0.3709, 0.5437
Android (android.graphics.Color)	4289720576 (0xFFAFF100)
YUV	193.7920, -95.5395, -16.4806
Hunter-Lab	84.8913, -45.1796, 51.5146

Details

The CIELCh color **88, 97.307, 118.819** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle saturated chartreuse. A complement of this color would be **33, 125.172, 307.866**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 77.976, 110.283**, and **68, 82.201, 123.214** is the 20% darker color. If you saturate the color by 10%, you get **88, 97.332, 118.830**, and if you desaturate by 10%, it is **88, 94.347, 117.884**.

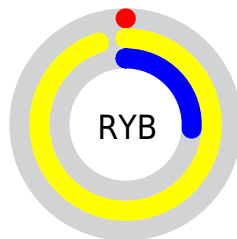
Distribution



Red (69%)

Green (95%)

Blue (0%)



Red (0%)

Yellow (95%)

Blue (26%)

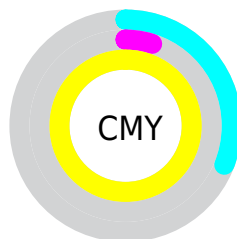


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (31%)


Magenta (5%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 97.307, 118.819 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, 97.307, 118.819 by changing the saturation by 10% instead.


 88, 97.307,
118.819

 88, 97.307,
118.819


 100, 97.307,
118.819


 78, 97.307,
118.819

 68, 97.307,
118.819

 58, 97.307,
118.819

 48, 97.307,
118.819

 38, 97.307,
118.819


 28, 97.307,
118.819


 18, 97.307,


118.819

 8, 97.307, 118.819


 0, 97.307, 118.819

 88, 97.307,
118.819


 88, 97.307,
118.819


 88, 97.332,
118.830

 88, 94.347,
117.884

 89, 89.065,
117.369

 89, 81.411,
117.267

 90, 71.912,
117.473

 91, 61.135,

117.881

■ 91, 49.533,
118.410

■ 92, 37.424,
119.002

■ 93, 25.023,
119.618

■ 94, 12.471,
120.235

Harmonies

Complementary

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



88, 97.307, 118.819



33, 125.172, 307.866

Rectangle

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



88, 97.307, 118.819



88, 97.307, 168.819



88, 97.307, 298.819



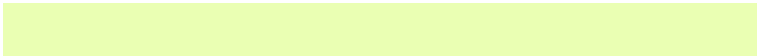
88, 97.307, 348.819

Sweetspot

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



88, 97.307, 118.821



97, 39.293, 118.990



54, 92.693, 45.428



51, 26.728, 118.735



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, 97.307, 118.821



93, 101.589, 118.872



84, 112.294, 134.392



50, 7.123, 120.261



69, 79.247, 118.594



21, 33.004, 117.709

Inverse Universe

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



33, 125.172, 307.866



35, 130.711, 307.841



48, 113.486, 319.425



46, 7.264, 301.414



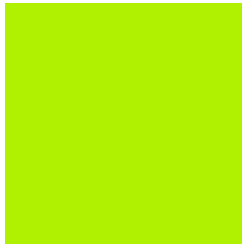
24, 101.894, 308.009



4, 38.675, 305.280

Previews

White Background



This preview shows how the CIE LCh color 88, 97.307, 118.819 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, 97.307, 118.819 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, 97.307, 118.819

Background



This preview shows how black text looks on a background with the CIELCh color 88, 97.307, 118.819.

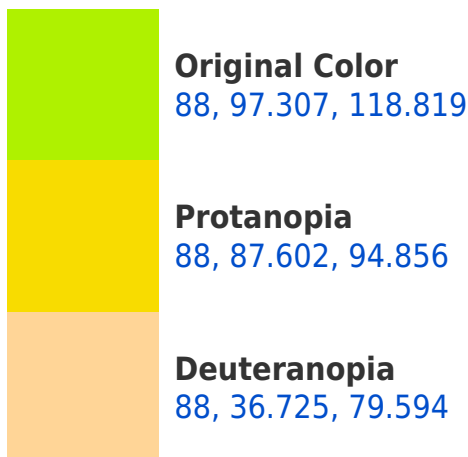


This preview shows how white text looks on a background with the CIELCh color 88, 97.307, 118.819.

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](#).

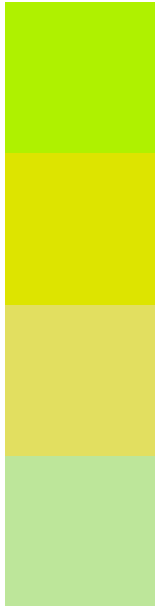
Dichromacy





Tritanopia
88, 12.854, 246.224

Trichromacy



Original Color
88, 97.307, 118.819

Protanomaly
87, 89.122, 104.778

Deuteranomaly
87, 62.945, 103.705

Tritanomaly
87, 42.138, 128.907

Monochromacy



Original Color
88, 97.307, 118.819

Achromatopsia
78, 0.009, 296.813

Achromatomaly
81, 45.904, 118.428

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 97.307, 118.819 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(175, 241, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 241, 0)  
}
```

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(175, 241, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 241, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 97.307, 118.819 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(175, 241, 0) }
```

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

```
.border{ border-color:rgb(175, 241, 0) }
```

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

Here you see how a box with a 4 pixel rgb(175, 241, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 241, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 241, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 241,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 97.307, 118.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 241, 0) }
```

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

```
.background{ background-color: rgb(175,  
241, 0) }
```

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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