

Converting Colors

CIELCh(88, 21.303, 302.779)

Have a look what the booklet for
CIELCh(88, 21.303, 302.779)
contains.

CIELCh(88, 21.387, 302.782)	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, 21.387, 302.782)

Conversions

Conversions Part 1

Format	Color
Hex	E3D7FF
RGB	227, 215, 255
RGB Percent	89%, 84%, 100%
CMY	0.1103, 0.1573, 0.0005
CMYK	0.11, 0.16, 0.00, 0.00
HSL	258°, 99%, 92%
HSV	258°, 16%, 100%
XYZ	73.9423, 72.0653, 104.5185
YIQ	223.1480, -5.6880, 14.9840

Conversions

Conversions Part 2

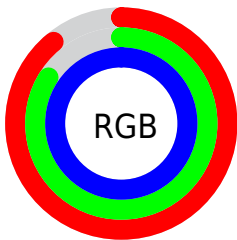
Format	Color
R _Y B	227, 215, 255
Decimal	14931967
CIE _{Lab}	88.00, 11.58, -17.98
CIE _{LCh}	88, 21.387, 302.782
Y _{xy}	72.0653, 0.2951, 0.2877
Android (android.graphics.Color)	4293122047 (0xFFE3D7FF)
Y _{UV}	223.1480, 15.7030, 3.3782
Hunter-Lab	84.8913, 6.9181, -13.5742

Details

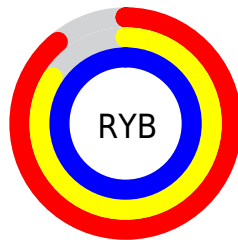
The CIELCh color `88, 21.387, 302.782` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 20.744, 120.891`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `68, 21.405, 302.639` is the 20% darker color. If you saturate the color by 10%, you get `80, 35.639, 303.520`, and if you desaturate by 10%, it is `96, 7.623, 302.124`.

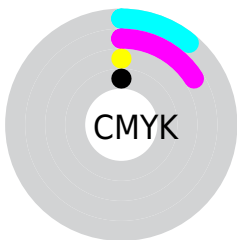
Distribution



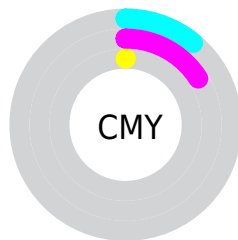
- Red (89%)
- Green (84%)
- Blue (100%)



- Red (89%)
- Yellow (84%)
- Blue (100%)



- Cyan (11%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)




- Cyan (11%)
- Magenta (16%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 21.387, 302.782 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, 21.387, 302.782 by changing the saturation by 10% instead.


 88, 21.387,
302.782

 88, 21.387,
302.782


 100, 21.387,
302.782


 78, 21.387,
302.782

 68, 21.387,
302.782

 58, 21.387,
302.782

 48, 21.387,
302.782

 38, 21.387,
302.782

 28, 21.387,
302.782

 18, 21.387,

302.782

■ 8, 21.387, 302.782

■ 0, 21.387, 302.782

■ 88, 21.387,
302.782

■ 88, 21.387,
302.782

■ 80, 35.639,
303.520

■ 96, 7.623, 302.124

■ 73, 50.356,
304.345

100, 0.049,
108.602

■ 65, 65.442,
305.245

■ 58, 80.671,
306.184

■ 51, 95.580,

307.097

■ 45, 109.326,
307.866

■ 40, 120.608,
308.320

■ 37, 127.976,
308.275

■ 36, 130.115,
308.150

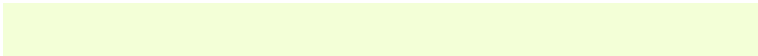
Harmonies

Complementary

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



88, 21.387, 302.782



98, 20.744, 120.891

Rectangle

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



88, 21.387, 302.782



88, 21.387, 352.782



88, 21.387, 122.782



88, 21.387, 172.782

Sweetspot

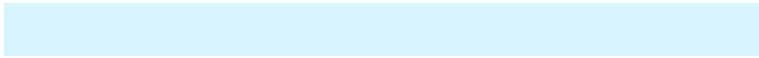
The Sweet Spot groups the original color and five complimentary colors.



88, 21.385, 302.780



96, 6.694, 302.082



94, 11.098, 230.723



51, 4.572, 302.125



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, 21.385, 302.780



86, 26.058, 303.015



90, 23.558, 318.995



49, 7.668, 302.366



26, 104.624, 308.304



5, 44.753, 307.707

Inverse Universe

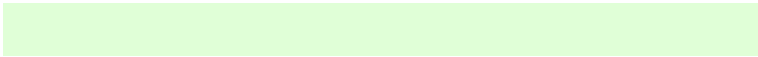
The Inverse Universe completely reimagines the original color for something new.



90, 20.337, 335.365



88, 24.677, 335.615



97, 23.358, 137.568



50, 7.341, 334.906



43, 74.319, 344.933



11, 35.016, 342.348

Previews

White Background



This preview shows how the CIELCh color 88, 21.387, 302.782 looks on a white background.

Color Contrast Check

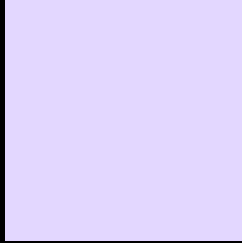
Large Text (above 18pt) WCAG AA × Fail

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, 21.387, 302.782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

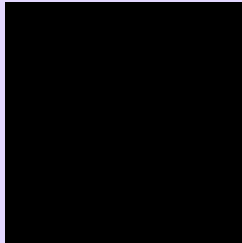
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 21.387, 302.782

Background



This preview shows how black text looks on a background with the CIELCh color 88, 21.387, 302.782.

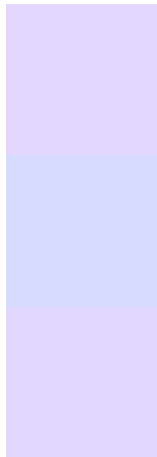


This preview shows how white text looks on a background with the CIELCh color 88, 21.387, 302.782.

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

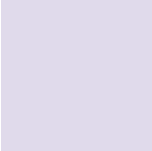
88, 21.387, 302.782

Protanopia

88, 18.849, 286.655

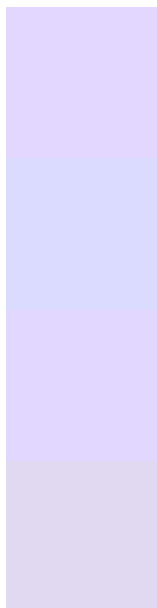
Deuteranopia

88, 21.324, 301.886



Tritanopia
88, 9.166, 304.157

Trichromacy



Original Color
88, 21.387, 302.782

Protanomaly
88, 19.351, 292.748

Deuteranomaly
88, 21.324, 301.886

Tritanomaly
88, 13.409, 303.148

Monochromacy



Original Color
88, 21.387, 302.782

Achromatopsia
89, 0.011, 296.813

Achromatomaly
88, 7.980, 300.934

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 21.387, 302.782 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(227, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 215, 255)  
}
```

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(227, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 215, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 21.387, 302.782 is called "border". The border property can be set on classes, ids or directly on the HTML element.

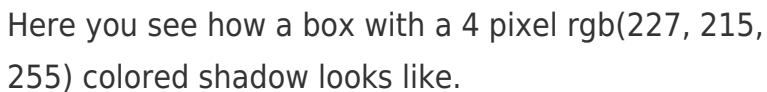
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 215, 255) }
```

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

```
.border{ border-color:rgb(227, 215, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(227, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 215,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 21.387, 302.782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 215, 255) }
```

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

```
.background{ background-color: rgb(227,  
215, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor