

Converting Colors

CIELCh(87, 23.221, 302.726)

Have a look what the booklet for
CIELCh(87, 23.221, 302.726)
contains.

CIELCh(87, 22.983, 302.118)	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(87, 22.983, 302.118)

Conversions

Conversions Part 1

Format	Color
Hex	E0D4FF
RGB	224, 212, 255
RGB Percent	88%, 83%, 100%
CMY	0.1224, 0.1694, 0.0008
CMYK	0.12, 0.17, 0.00, 0.00
HSL	257°, 99%, 91%
HSV	257°, 17%, 100%
XYZ	72.1856, 70.0064, 104.1385
YIQ	220.4900, -6.6510, 15.9170

Conversions

Conversions Part 2

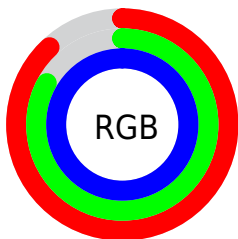
Format	Color
R_{YB}	224, 212, 255
Decimal	14734591
CIE _{Lab}	87.00, 12.22, -19.47
CIE _{LCh}	87, 22.983, 302.118
Yxy	70.0064, 0.2930, 0.2842
Android (android.graphics.Color)	4292924671 (0xFFE0D4FF)
YUV	220.4900, 17.0134, 3.0783
Hunter-Lab	83.6698, 7.5776, -15.2256

Details

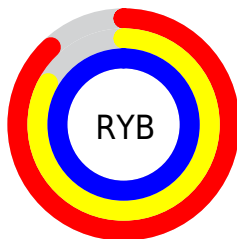
The CIELCh color `87, 22.983, 302.118` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 22.222, 119.998`, and the grayscale version is `88, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `67, 23.165, 302.863` is the 20% darker color. If you saturate the color by 10%, you get `79, 37.267, 302.899`, and if you desaturate by 10%, it is `95, 9.196, 301.426`.

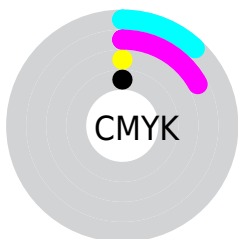
Distribution



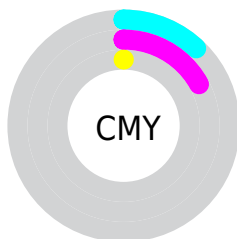
- Red (88%)
- Green (83%)
- Blue (100%)



- Red (88%)
- Yellow (83%)
- Blue (100%)



- Cyan (12%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 22.983, 302.118 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 87, 22.983, 302.118 by changing the saturation by 10% instead.

87, 22.983,
302.118

87, 22.983,
302.118

100, 22.983,
302.118

77, 22.983,
302.118

67, 22.983,
302.118

57, 22.983,
302.118

47, 22.983,
302.118

37, 22.983,
302.118

27, 22.983,
302.118

17, 22.983,

302.118

■ 7, 22.983, 302.118

■ 0, 22.983, 302.118

■ 87, 22.983,
302.118

■ 87, 22.983,
302.118

■ 79, 37.267,
302.899

■ 95, 9.196, 301.426

■ 72, 52.027,
303.775

100, 0.094,
109.352

■ 64, 67.163,
304.732

■ 57, 82.437,
305.734

■ 50, 97.358,

306.708

■ 44, 111.020,
307.527

■ 39, 122.042,
308.006

■ 36, 128.964,
307.963

■ 35, 130.527,
307.898

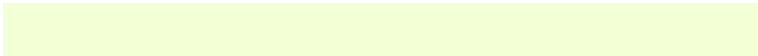
Harmonies

Complementary

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



87, 22.983, 302.118



98, 22.222, 119.998

Rectangle

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



87, 22.983, 302.118



87, 22.983, 352.118



87, 22.983, 122.118



87, 22.983, 172.118

Sweetspot

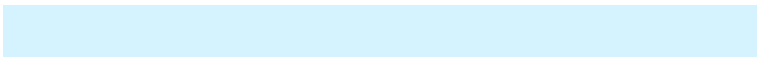
The Sweet Spot groups the original color and five complimentary colors.



87, 22.981, 302.116



96, 6.675, 301.305



94, 11.921, 228.646



51, 4.559, 301.350



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 22.981, 302.116



85, 27.414, 302.351



89, 25.238, 318.536



49, 7.647, 301.599



25, 104.988, 308.043



4, 44.714, 307.224

Inverse Universe

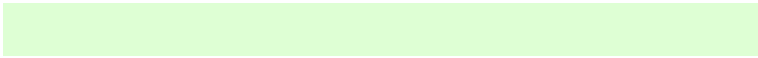
The Inverse Universe completely reimagines the original color for something new.



89, 22.201, 334.596



87, 26.370, 334.827



97, 24.992, 137.011



50, 7.451, 334.062



43, 75.340, 343.412



11, 35.467, 341.095

Previews

White Background



This preview shows how the CIELCh color 87, 22.983, 302.118 looks on a white background.

Color Contrast Check

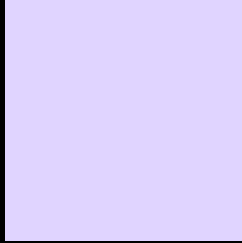
Large Text (above 18pt) WCAG AA × Fail

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 87, 22.983, 302.118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

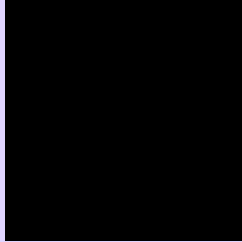
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 22.983, 302.118

Background



This preview shows how black text looks on a background with the CIELCh color 87, 22.983, 302.118.

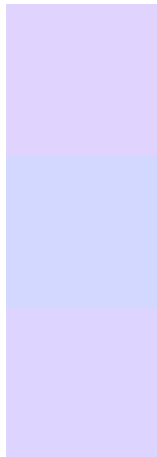


This preview shows how white text looks on a background with the CIELCh color 87, 22.983, 302.118.

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

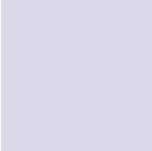
87, 22.983, 302.118

Protanopia

87, 20.481, 286.305

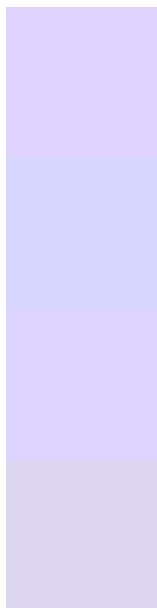
Deuteranopia

87, 22.238, 298.901



Tritanopia
87, 9.039, 299.827

Trichromacy



Original Color
87, 22.983, 302.118

Protanomaly
87, 21.511, 292.838

Deuteranomaly
87, 22.284, 299.761

Tritanomaly
87, 14.404, 300.990

Monochromacy



Original Color
87, 22.983, 302.118

Achromatopsia
88, 0.010, 296.813

Achromatomaly
87, 8.515, 300.346

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 22.983, 302.118 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(224, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 212, 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(224, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 212, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 22.983, 302.118 is called "border". The border property can be set on classes, ids or directly on the HTML element.

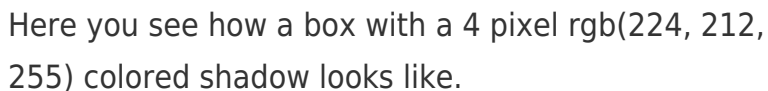
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(224, 212, 255) }
```

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

```
.border{ border-color:rgb(224, 212, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(224, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(224, 212, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(224, 212, 255); box-shadow:4px 4px 4px 4px rgb(224, 212, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 22.983, 302.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 212, 255) }
```

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

```
.background{ background-color: rgb(224,  
212, 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