

Converting Colors

CIELCh(87, 22.235, 301.438)

Have a look what the booklet for
CIELCh(87, 22.235, 301.438)
contains.

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Color

CIELCh(87, 22.409, 301.479)

Conversions

Conversions Part 1

Format	Color
Hex	DFD4FE
RGB	223, 212, 254
RGB Percent	87%, 83%, 100%
CMY	0.1251, 0.1682, 0.0035
CMYK	0.12, 0.17, 0.00, 0.00
HSL	256°, 96%, 91%
HSV	256°, 17%, 100%
XYZ	71.9402, 70.0064, 103.5775
YIQ	220.0770, -6.9260, 15.3940

Conversions

Conversions Part 2

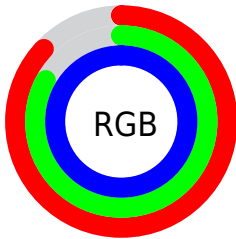
Format	Color
R _Y B	223, 212, 254
Decimal	14669054
CIE _{Lab}	87.00, 11.70, -19.11
CIE _{LCh}	87, 22.409, 301.479
Y _{xy}	70.0064, 0.2930, 0.2851
Android (android.graphics.Color)	4292859134 (0xFFDFD4FE)
YUV	220.0770, 16.7240, 2.5635
Hunter-Lab	83.6698, 7.0540, -14.8281

Details

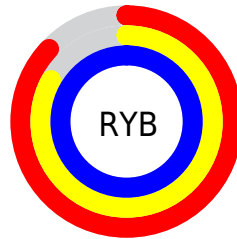
The CIELCh color **87, 22.409, 301.479** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **98, 21.669, 119.341**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 22.561, 302.209** is the 20% darker color. If you saturate the color by 10%, you get **79, 36.629, 302.285**, and if you desaturate by 10%, it is **95, 8.693, 300.768**.

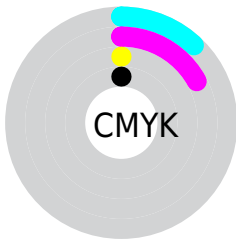
Distribution



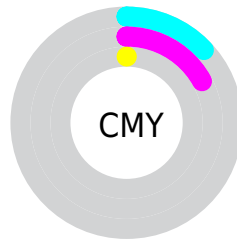
- Red (87%)
- Green (83%)
- Blue (100%)



- Red (87%)
- Yellow (83%)
- Blue (100%)



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





- Cyan (13%)
- Magenta (17%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 22.409, 301.479 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, 22.409, 301.479 by changing the saturation by 10% instead.

 87, 22.409,
301.479


 87, 22.409,
301.479


 100, 22.409,
301.479


 77, 22.409,
301.479

 67, 22.409,
301.479

 57, 22.409,
301.479

 47, 22.409,
301.479

 37, 22.409,
301.479

 27, 22.409,
301.479

 17, 22.409,

301.479

■ 7, 22.409, 301.479

■ 0, 22.409, 301.479

■ 87, 22.409,
301.479

■ 87, 22.409,
301.479

■ 79, 36.629,
302.285

■ 95, 8.693, 300.768

■ 72, 51.339,
303.193

100, 0.440,
109.969

■ 64, 66.448,
304.190

■ 57, 81.736,
305.243

■ 50, 96.728,

306.280

■ 44, 110.533,
307.173

■ 39, 121.757,
307.732

■ 36, 128.869,
307.763

■ 35, 130.606,
307.708

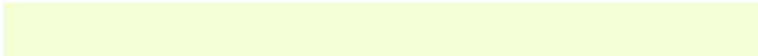
Harmonies

Complementary

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



87, 22.409, 301.479



98, 21.669, 119.341

Rectangle

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



87, 22.409, 301.479



87, 22.409, 351.479



87, 22.409, 121.479



87, 22.409, 171.479

Sweetspot

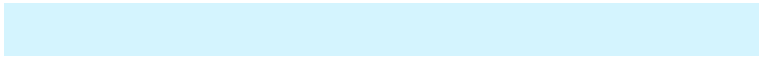
The Sweet Spot groups the original color and five complimentary colors.



87, 22.407, 301.477



96, 6.661, 300.666



94, 11.706, 226.452



51, 4.549, 300.713



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, 22.407, 301.477



85, 27.364, 301.747



89, 24.558, 318.004



49, 7.631, 300.969



25, 105.273, 307.846



4, 44.681, 306.840

Inverse Universe

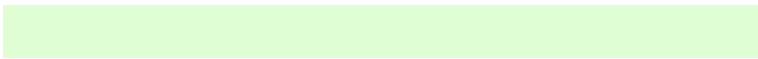
The Inverse Universe completely reimagines the original color for something new.



89, 21.962, 333.889



87, 26.688, 334.139



97, 24.304, 136.530



50, 7.543, 333.390



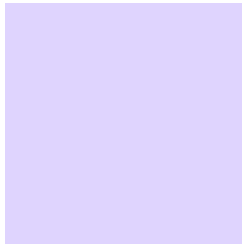
43, 76.218, 342.211



11, 35.850, 340.102

Previews

White Background



This preview shows how the CIELCh color 87, 22.409, 301.479 looks on a white background.

Color Contrast Check

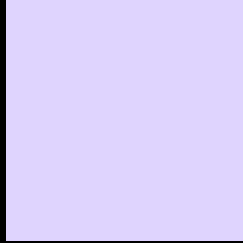
Large Text (above 18pt) WCAG AA × Fail

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, 22.409, 301.479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

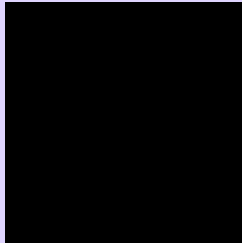
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 22.409, 301.479

Background



This preview shows how black text looks on a background with the CIELCh color 87, 22.409, 301.479.



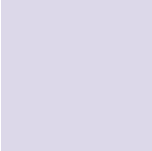
This preview shows how white text looks on a background with the CIELCh color 87, 22.409, 301.479.

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
87, 9.039, 299.827

Trichromacy



Original Color
87, 22.409, 301.479

Protanomaly
87, 20.962, 291.905

Deuteranomaly
87, 21.766, 299.922

Tritanomaly
87, 13.817, 299.912

Monochromacy



Original Color
87, 22.409, 301.479

Achromatopsia
88, 0.010, 296.813

Achromatomaly
87, 8.000, 300.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 22.409, 301.479 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(223, 212, 254)` looks like.

```
.text, #text, p{  
    color:rgb(223, 212, 254)  
}
```

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(223, 212, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 212, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 22.409, 301.479 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(223, 212, 254) }
```

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

```
.border{ border-color:rgb(223, 212, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 212, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 212, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 212, 254);  
box-shadow:4px 4px 4px 4px rgb(223, 212,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 22.409, 301.479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 212, 254) }
```

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

```
.background{ background-color: rgb(223,  
212, 254) }
```

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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