

Converting Colors

CIELCh(87, 23.009, 311.888)

Have a look what the booklet for
CIELCh(87, 23.009, 311.888)
contains.

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Color

CIELCh(87, 23.009, 311.888)

Conversions

Conversions Part 1

Format	Color
Hex	E8D1FA
RGB	232, 209, 250
RGB Percent	91%, 82%, 98%
CMY	0.0883, 0.1785, 0.0177
CMYK	0.07, 0.16, 0.00, 0.02
HSL	274°, 82%, 90%
HSV	274°, 16%, 98%
XYZ	73.6881, 70.0064, 100.4778
YIQ	220.5510, 0.5470, 17.6270

Conversions

Conversions Part 2

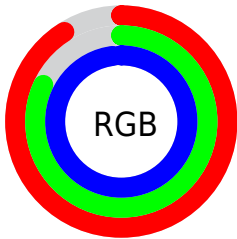
Format	Color
R _Y B	232, 209, 250
Decimal	15258106
CIE _{Lab}	87.00, 15.36, -17.13
CIE _{LCh}	87, 23.009, 311.888
Y _{xy}	70.0064, 0.3018, 0.2867
Android (android.graphics.Color)	4293448186 (0xFFE8D1FA)
Y _{UV}	220.5510, 14.5184, 10.0408
Hunter-Lab	83.6698, 10.7830, -12.6316

Details

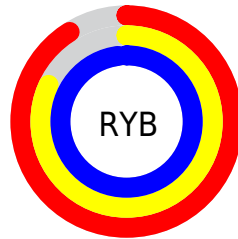
The CIELCh color **87, 23.009, 311.888** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **96, 22.563, 130.453**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 22.434, 311.752** is the 20% darker color. If you saturate the color by 10%, you get **80, 37.496, 312.371**, and if you desaturate by 10%, it is **94, 8.840, 311.423**.

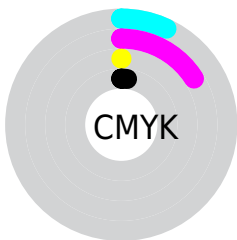
Distribution



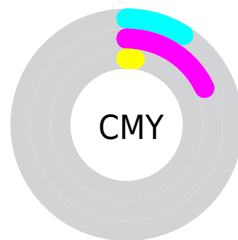
- Red (91%)
- Green (82%)
- Blue (98%)



- Red (91%)
- Yellow (82%)
- Blue (98%)



- Cyan (7%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)




- Cyan (9%)
- Magenta (18%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 23.009, 311.888 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, 23.009, 311.888 by changing the saturation by 10% instead.

 87, 23.009,
311.888

 87, 23.009,
311.888

 100, 23.009,
311.888

 77, 23.009,
311.888

 67, 23.009,
311.888

 57, 23.009,
311.888

 47, 23.009,
311.888

 37, 23.009,
311.888

 27, 23.009,
311.888

 17, 23.009,

311.888

■ 7, 23.009, 311.888

■ 0, 23.009, 311.888

■ 87, 23.009,
311.888

■ 87, 23.009,
311.888

■ 80, 37.496,
312.371

■ 94, 8.840, 311.423

■ 73, 52.186,
312.865

■ 100, 2.283,
114.524

■ 67, 66.857,
313.347

■ 100, 2.273,
109.974

■ 61, 81.142,
313.774

■ 55, 94.468,

314.086

■ 50, 106.031,
314.198

■ 46, 114.896,
314.009

■ 43, 120.326,
313.429

■ 42, 121.721,
313.163

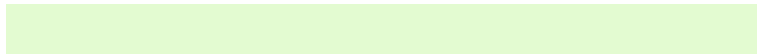
Harmonies

Complementary

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



87, 23.009, 311.888



96, 22.563, 130.453

Rectangle

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



87, 23.009, 311.888



87, 23.009, 1.888



87, 23.009, 131.888



87, 23.009, 181.888

Sweetspot

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



87, 23.007, 311.887



96, 7.026, 311.358



90, 13.108, 262.999



51, 4.797, 311.392



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, 23.007, 311.887



86, 28.641, 312.061



88, 24.927, 326.723



48, 7.902, 311.567



31, 98.224, 313.357



6, 43.256, 314.461

Inverse Universe

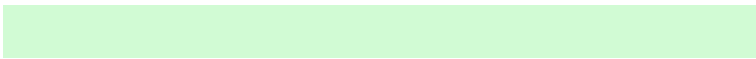
The Inverse Universe completely reimagines the original color for something new.



88, 17.572, 348.563



87, 21.871, 348.948



95, 24.897, 144.772



49, 6.033, 347.870



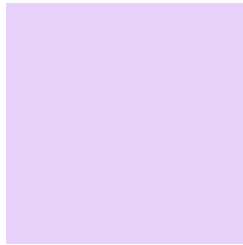
40, 67.342, 7.957



10, 30.624, 1.151

Previews

White Background



This preview shows how the CIELCh color 87, 23.009, 311.888 looks on a white background.

Color Contrast Check

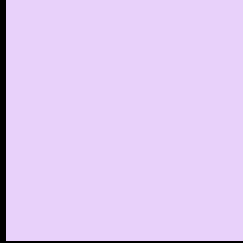
Large Text (above 18pt) WCAG AA × Fail

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, 23.009, 311.888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

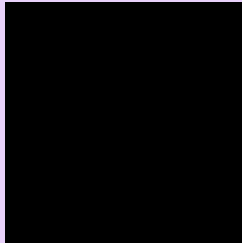
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 23.009, 311.888

Background



This preview shows how black text looks on a background with the CIELCh color 87, 23.009, 311.888.

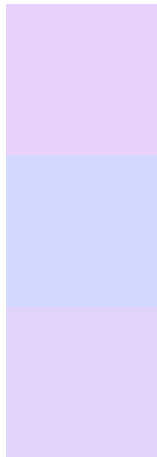


This preview shows how white text looks on a background with the CIELCh color 87, 23.009, 311.888.

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, 23.009, 311.888

Protanopia
87, 20.459, 287.221

Deuteranopia
87, 20.417, 303.313



Tritanopia
87, 10.619, 323.210

Trichromacy



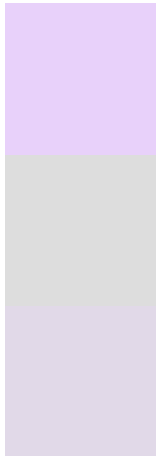
Original Color
87, 23.009, 311.888

Protanomaly
87, 20.547, 296.543

Deuteranomaly
87, 21.259, 306.682

Tritanomaly
87, 14.615, 316.796

Monochromacy



Original Color
87, 23.009, 311.888

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 8.378, 310.486

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 23.009, 311.888 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(232, 209, 250)` looks like.

```
.text, #text, p{  
    color:rgb(232, 209, 250)  
}
```

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(232, 209, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 209, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 23.009, 311.888 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(232, 209, 250) }
```

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

```
.border{ border-color:rgb(232, 209, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 209, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 209, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 209, 250);  
box-shadow:4px 4px 4px 4px rgb(232, 209,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 23.009, 311.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 209, 250) }
```

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

```
.background{ background-color: rgb(232,  
209, 250) }
```

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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