

Converting Colors

CIELCh(89, 15.711, 302.058)

Have a look what the booklet for
CIELCh(89, 15.711, 302.058)
contains.

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Color

CIELCh(89, 16.009, 302.534)

Conversions

Conversions Part 1

Format	Color
Hex	E4DBF9
RGB	228, 219, 249
RGB Percent	89%, 86%, 98%
CMY	0.1050, 0.1403, 0.0226
CMYK	0.08, 0.12, 0.00, 0.02
HSL	258°, 72%, 92%
HSV	258°, 12%, 98%
XYZ	74.5907, 74.1641, 100.1932
YIQ	225.1110, -4.2660, 11.2380

Conversions

Conversions Part 2

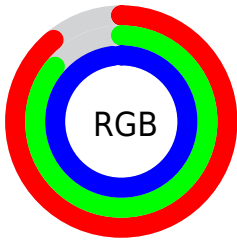
Format	Color
R _Y B	228, 219, 249
Decimal	14998521
CIE Lab	89.00, 8.61, -13.50
CIE LCh	89, 16.009, 302.534
Yxy	74.1641, 0.2996, 0.2979
Android (android.graphics.Color)	4293188601 (0xFFE4DBF9)
YUV	225.1110, 11.7773, 2.5337
Hunter-Lab	86.1186, 3.8983, -8.6969

Details

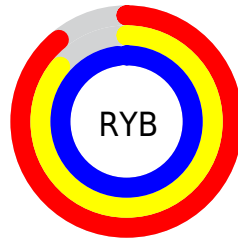
The CIELCh color `89, 16.009, 302.534` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `97, 15.635, 121.110`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `69, 16.266, 301.851` is the 20% darker color. If you saturate the color by 10%, you get `82, 29.828, 303.238`, and if you desaturate by 10%, it is `96, 2.670, 301.894`.

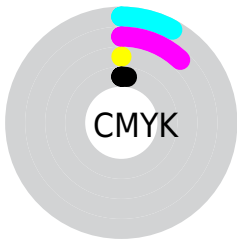
Distribution



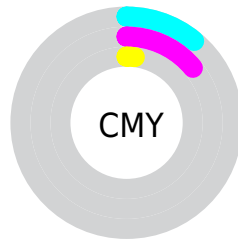
- Red (89%)
- Green (86%)
- Blue (98%)



- Red (89%)
- Yellow (86%)
- Blue (98%)



- Cyan (8%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)



- Cyan (11%)
- Magenta (14%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 16.009, 302.534 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 89, 16.009, 302.534 by changing the saturation by 10% instead.

89, 16.009,
302.534

89, 16.009,
302.534

100, 16.009,
302.534

79, 16.009,
302.534

69, 16.009,
302.534

59, 16.009,
302.534

49, 16.009,
302.534

39, 16.009,
302.534

29, 16.009,
302.534

19, 16.009,

302.534

■ 9, 16.009, 302.534

■ 0, 16.009, 302.534

■ 89, 16.009,
302.534

■ 89, 16.009,
302.534

■ 82, 29.828,
303.238

■ 96, 2.670, 301.894

■ 74, 44.119,
304.032

■ 100, 2.915,
109.934

■ 67, 58.817,
304.905

■ 59, 73.757,
305.834

■ 53, 88.588,

306.767

■ 46, 102.639,
307.606

■ 41, 114.796,
308.199

■ 37, 123.617,
308.359

■ 35, 127.905,
308.161

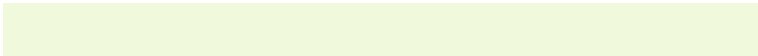
Harmonies

Complementary

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



89, 16.009, 302.534



97, 15.635, 121.110

Rectangle

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



89, 16.009, 302.534



89, 16.009, 352.534



89, 16.009, 122.534



89, 16.009, 172.534

Sweetspot

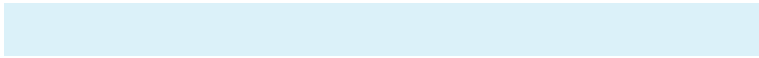
The Sweet Spot groups the original color and five complimentary colors.



89, 16.007, 302.531



97, 5.348, 302.020



94, 8.435, 230.421



51, 3.804, 302.067



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 16.007, 302.531



89, 19.031, 302.665



90, 17.694, 318.828



48, 7.542, 302.365



25, 103.571, 308.312



4, 42.834, 307.240

Inverse Universe

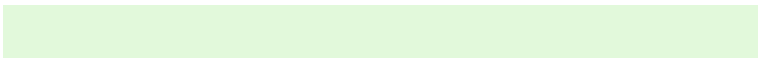
The Inverse Universe completely reimagines the original color for something new.



90, 15.285, 335.093



91, 18.134, 335.240



96, 17.571, 137.761



49, 7.220, 334.905



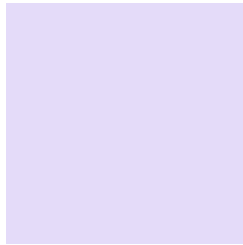
42, 73.592, 344.914



10, 34.140, 342.213

Previews

White Background



This preview shows how the CIELCh color 89, 16.009, 302.534 looks on a white background.

Color Contrast Check

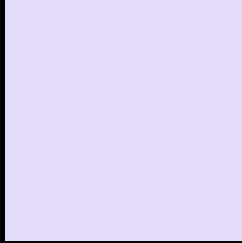
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 89, 16.009, 302.534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

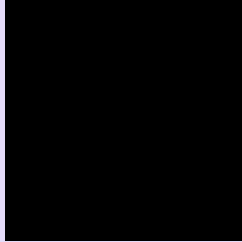
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 16.009, 302.534

Background



This preview shows how black text looks on a background with the CIELCh color 89, 16.009, 302.534.



This preview shows how white text looks on a background with the CIELCh color 89, 16.009, 302.534.

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
89, 9.065, 301.999

Trichromacy



Original Color
89, 16.009, 302.534

Protanomaly
89, 15.137, 292.695

Deuteranomaly
89, 17.355, 306.383

Tritanomaly
89, 11.772, 303.004

Monochromacy



Original Color
89, 16.009, 302.534

Achromatopsia
90, 0.011, 296.813

Achromatomaly
89, 5.846, 301.050

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 16.009, 302.534 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(228, 219, 249)` looks like.

```
.text, #text, p{  
    color:rgb(228, 219, 249)  
}
```

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(228, 219, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 219, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 16.009, 302.534 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(228, 219, 249) }
```

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

```
.border{ border-color:rgb(228, 219, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 219, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 219, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 219, 249);  
box-shadow:4px 4px 4px 4px rgb(228, 219,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 16.009, 302.534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 219, 249) }
```

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

```
.background{ background-color: rgb(228,  
219, 249) }
```

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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