

Converting Colors

CIELCh(90, 38.464, 302.262)

Have a look what the booklet for
CIELCh(90, 38.464, 302.262)
contains.

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Color

CIELCh(89, 21.457, 309.334)

Conversions

Conversions Part 1

Format	Color
Hex	EBD8FF
RGB	235, 216, 255
RGB Percent	92%, 85%, 100%
CMY	0.0775, 0.1520, 0.0000
CMYK	0.08, 0.15, 0.00, 0.00
HSL	269°, 100%, 92%
HSV	269°, 15%, 100%
XYZ	77.0384, 74.1641, 105.0590
YIQ	226.1270, -1.1950, 16.1570

Conversions

Conversions Part 2

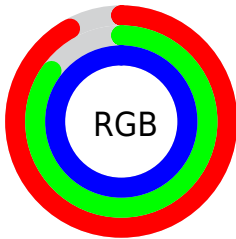
Format	Color
R _Y B	235, 216, 255
Decimal	15456511
CIE Lab	89.00, 13.60, -16.60
CIE LCh	89, 21.457, 309.334
Yxy	74.1641, 0.3006, 0.2894
Android (android.graphics.Color)	4293646591 (0xFFEBD8FF)
YUV	226.1270, 14.2344, 7.7816
Hunter-Lab	86.1186, 8.9718, -12.0469

Details

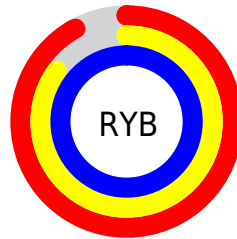
The CIELCh color `89, 21.457, 309.334` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 20.886, 128.032`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `69, 21.442, 309.471` is the 20% darker color. If you saturate the color by 10%, you get `82, 35.861, 309.955`, and if you desaturate by 10%, it is `96, 7.202, 308.936`.

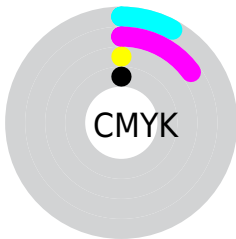
Distribution



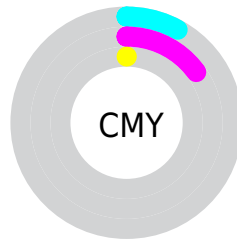
- Red (92%)
- Green (85%)
- Blue (100%)



- Red (92%)
- Yellow (85%)
- Blue (100%)



- Cyan (8%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (15%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 21.457, 309.334 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, 21.457, 309.334 by changing the saturation by 10% instead.


 89, 21.457,
309.334

 89, 21.457,
309.334


 100, 21.457,
309.334


 79, 21.457,
309.334

 69, 21.457,
309.334

 59, 21.457,
309.334

 49, 21.457,
309.334

 39, 21.457,
309.334

 29, 21.457,
309.334

 19, 21.457,

309.334

■ 9, 21.457, 309.334

■ 0, 21.457, 309.334

■ 89, 21.457,
309.334

■ 89, 21.457,
309.334

■ 82, 35.861,
309.955

■ 96, 7.202, 308.936

■ 75, 50.680,
310.509

100, 0.012,
296.813

■ 68, 65.621,
311.070

■ 61, 80.368,
311.601

■ 55, 94.393,

312.039

■ 49, 106.896,
312.293

■ 45, 116.844,
312.247

■ 42, 123.275,
311.785

■ 41, 125.321,
311.452

Harmonies

Complementary

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



89, 21.457, 309.334



98, 20.886, 128.032

Rectangle

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



89, 21.457, 309.334



89, 21.457, 359.334



89, 21.457, 129.334



89, 21.457, 179.334

Sweetspot

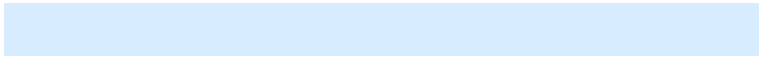
The Sweet Spot groups the original color and five complimentary colors.



89, 21.339, 309.430



96, 6.918, 308.926



93, 11.635, 255.704



51, 4.724, 308.960



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, 21.339, 309.430



87, 25.364, 309.573



91, 24.162, 324.810



49, 7.915, 309.146



30, 100.747, 311.648



6, 44.909, 312.606

Inverse Universe

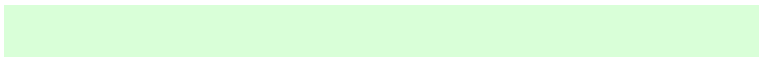
The Inverse Universe completely reimagines the original color for something new.



90, 17.291, 344.404



88, 20.527, 344.672



97, 24.127, 143.083



50, 6.425, 343.873



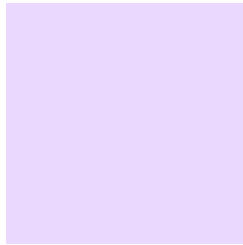
41, 68.362, 1.174



10, 31.965, 355.729

Previews

White Background



This preview shows how the CIELCh color 89, 21.457, 309.334 looks on a white background.

Color Contrast Check

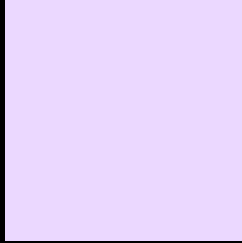
Large Text (above 18pt) WCAG AA × Fail

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 89, 21.457, 309.334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

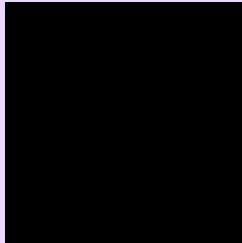
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

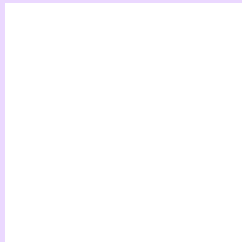
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 21.457, 309.334

Background



This preview shows how black text looks on a background with the CIELCh color 89, 21.457, 309.334.

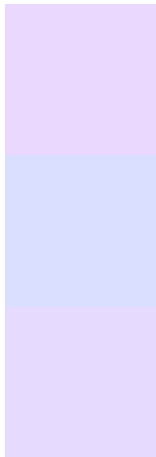


This preview shows how white text looks on a background with the CIELCh color 89, 21.457, 309.334.

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
89, 21.457, 309.334

Protanopia
89, 17.226, 287.119

Deuteranopia
89, 19.879, 304.538



Tritanopia
89, 10.498, 316.733

Trichromacy



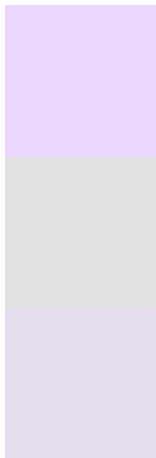
Original Color
89, 21.457, 309.334

Protanomaly
89, 18.336, 295.869

Deuteranomaly
89, 20.651, 307.021

Tritanomaly
89, 14.602, 312.155

Monochromacy



Original Color
89, 21.457, 309.334

Achromatopsia
90, 0.011, 296.813

Achromatomaly
89, 8.228, 308.171

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 21.457, 309.334 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(235, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 216, 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(235, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 216, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 21.457, 309.334 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(235, 216, 255) }
```

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

```
.border{ border-color:rgb(235, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 216,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 21.457, 309.334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 216, 255) }
```

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

```
.background{ background-color: rgb(235,  
216, 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](#).

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