

Converting Colors

CIELCh(89, 7.885, 307.866)

Have a look what the booklet for
CIELCh(89, 7.885, 307.866) contains.

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Color

CIELCh(89, 7.740, 309.315)

Conversions

Conversions Part 1

Format	Color
Hex	E4DDEB
RGB	228, 221, 235
RGB Percent	89%, 87%, 92%
CMY	0.1061, 0.1335, 0.0786
CMYK	0.03, 0.06, 0.00, 0.08
HSL	270°, 26%, 89%
HSV	270°, 6%, 92%
XYZ	72.8071, 74.1641, 89.0335
YIQ	224.6890, -0.3220, 5.8380

Conversions

Conversions Part 2

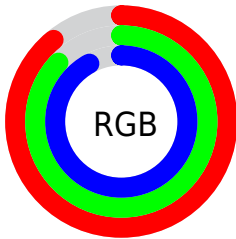
Format	Color
R _Y B	228, 221, 235
Decimal	14999019
CIE Lab	89.00, 4.90, -5.99
CIE LCh	89, 7.740, 309.315
Yxy	74.1641, 0.3085, 0.3142
Android (android.graphics.Color)	4293189099 (0xFFE4DDEB)
YUV	224.6890, 5.0833, 2.9037
Hunter-Lab	86.1186, 0.2014, -1.0138

Details

The CIELCh color $89, 7.740, 309.315$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $92, 7.659, 128.820$, and the grayscale version is $89, 0.011, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $69, 7.637, 310.693$ is the 20% darker color. If you saturate the color by 10%, you get $82, 21.017, 309.798$, and if you desaturate by 10%, it is $96, 5.153, 128.921$.

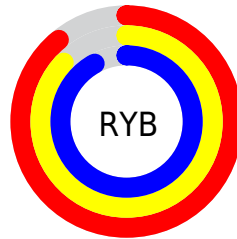
Distribution



Red (89%)

Green (87%)

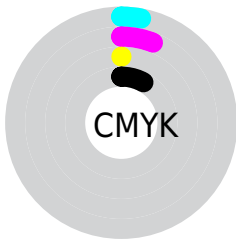
Blue (92%)



Red (89%)

Yellow (87%)

Blue (92%)

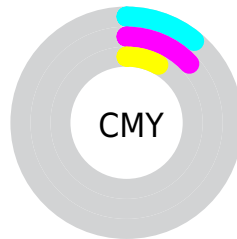


Cyan (3%)

Magenta (6%)

Yellow (0%)

Black (8%)



Cyan (11%)

Magenta (13%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 7.740, 309.315 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, 7.740, 309.315 by changing the saturation by 10% instead.

■ 89, 7.740, 309.315

■ 89, 7.740, 309.315

■ 100, 7.740,
309.315

■ 79, 7.740, 309.315

■ 69, 7.740, 309.315

■ 59, 7.740, 309.315

■ 49, 7.740, 309.315

■ 39, 7.740, 309.315

■ 29, 7.740, 309.315

■ 19, 7.740, 309.315

■ 9, 7.740, 309.315

■ 0, 7.740, 309.315

89, 7.740, 309.315

89, 7.740, 309.315

82, 21.017,
309.798

96, 5.153, 128.921

76, 34.645,
310.316

99, 10.246,
116.555

69, 48.532,
310.860

100, 10.151,
109.409

62, 62.505,
311.406

56, 76.259,
311.916

51, 89.286,
312.328

46, 100.834,
312.553

41, 109.949,
312.475

■ 38,115.777,
311.986

Harmonies

Complementary

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



89, 7.740, 309.315



92, 7.659, 128.820

Rectangle

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



89, 7.740, 309.315



89, 7.740, 359.315



89, 7.740, 129.315



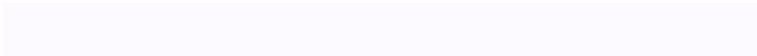
89, 7.740, 179.315

Sweetspot

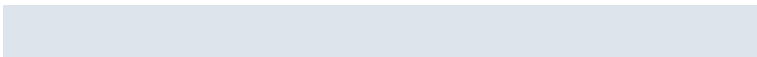
The Sweet Spot groups the original color and five complimentary colors.



89, 7.738, 309.311



99, 2.767, 309.100



90, 4.294, 254.435



53, 1.573, 309.093



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, 7.738, 309.311



95, 9.731, 309.362



90, 8.815, 324.287



46, 5.909, 309.388



28, 96.479, 311.911



4, 37.677, 311.607

Inverse Universe

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



89, 6.231, 344.064



95, 7.835, 344.167



92, 8.793, 143.697



47, 4.757, 344.218



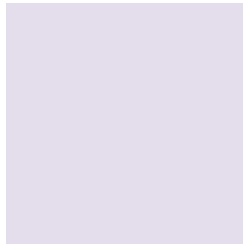
39, 65.541, 1.919



8, 28.609, 355.203

Previews

White Background



This preview shows how the CIELCh color 89, 7.740, 309.315 looks on a white background.

Color Contrast Check

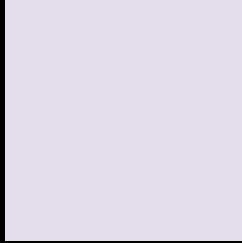
Large Text (above 18pt) WCAG AA × Fail

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, 7.740, 309.315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

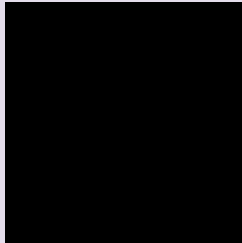
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

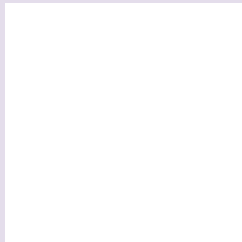
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 7.740, 309.315

Background



This preview shows how black text looks on a background with the CIELCh color 89, 7.740, 309.315.



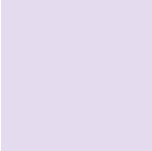
This preview shows how white text looks on a background with the CIELCh color 89, 7.740, 309.315.

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](#).

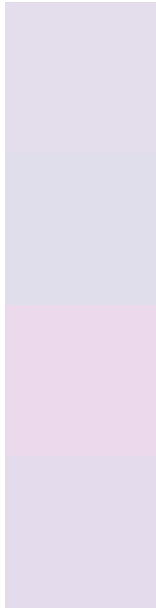
Dichromacy





Tritanopia
89, 9.840, 307.452

Trichromacy



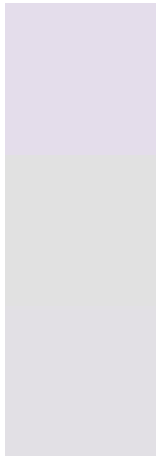
Original Color
89, 7.740, 309.315

Protanomaly
89, 7.393, 298.944

Deuteranomaly
89, 11.398, 324.836

Tritanomaly
89, 9.343, 308.350

Monochromacy



Original Color
89, 7.740, 309.315

Achromatopsia
90, 0.011, 296.813

Achromatomaly
89, 2.714, 305.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 7.740, 309.315 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, 221, 235)` looks like.

```
.text, #text, p{  
    color:rgb(228, 221, 235)  
}
```

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, 221, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 221, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 7.740, 309.315 is called "border". The border property can be set on classes, ids or directly on the HTML element.

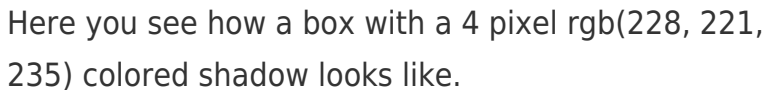
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 221, 235) }
```

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

```
.border{ border-color:rgb(228, 221, 235) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 221, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 221, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 221, 235); box-shadow:4px 4px 4px 4px rgb(228, 221, 235) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 7.740, 309.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 221, 235) }
```

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

```
.background{ background-color: rgb(228,  
221, 235) }
```

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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