

Converting Colors

CIELCh(89, 6.947, 300.062)

Have a look what the booklet for
CIELCh(89, 6.947, 300.062) contains.

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Color

CIELCh(89, 6.878, 299.535)

Conversions

Conversions Part 1

Format	Color
Hex	E1DEEB
RGB	225, 222, 235
RGB Percent	88%, 87%, 92%
CMY	0.1181, 0.1298, 0.0789
CMYK	0.04, 0.06, 0.00, 0.08
HSL	254°, 24%, 90%
HSV	254°, 6%, 92%
XYZ	72.0869, 74.1641, 89.0277
YIQ	224.3790, -2.3850, 4.6790

Conversions

Conversions Part 2

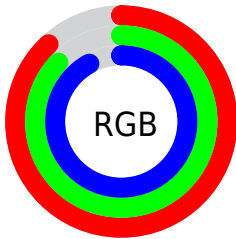
Format	Color
R _Y B	225, 222, 235
Decimal	14802667
CIE Lab	89.00, 3.39, -5.98
CIE LCh	89, 6.878, 299.535
Yxy	74.1641, 0.3064, 0.3152
Android (android.graphics.Color)	4292992747 (0xFFE1DEEB)
YUV	224.3790, 5.2362, 0.5446
Hunter-Lab	86.1186, -1.2913, -1.0098

Details

The CIELCh color `89, 6.878, 299.535` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `92, 6.782, 118.817`, 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, 6.706, 300.327` is the 20% darker color. If you saturate the color by 10%, you get `82, 19.654, 300.266`, and if you desaturate by 10%, it is `96, 5.429, 118.898`.

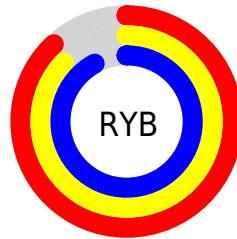
Distribution



Red (88%)

Green (87%)

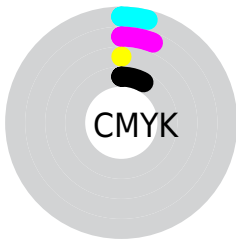
Blue (92%)



Red (88%)

Yellow (87%)

Blue (92%)

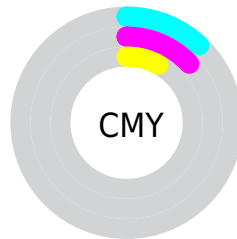


Cyan (4%)

Magenta (6%)

Yellow (0%)

Black (8%)



Cyan (12%)

Magenta (13%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 6.878, 299.535 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, 6.878, 299.535 by changing the saturation by 10% instead.

89, 6.878, 299.535

89, 6.878, 299.535

100, 6.878,
299.535

79, 6.878, 299.535

69, 6.878, 299.535

59, 6.878, 299.535

49, 6.878, 299.535

39, 6.878, 299.535

29, 6.878, 299.535

19, 6.878, 299.535

9, 6.878, 299.535

0, 6.878, 299.535

89, 6.878, 299.535

89, 6.878, 299.535

82, 19.654,
300.266

96, 5.429, 118.898

74, 32.919,
301.112

100, 10.180,
109.407

67, 46.665,
302.070

60, 60.829,
303.135

53, 75.238,
304.278

46, 89.499,
305.433

41, 102.832,
306.475

36, 113.949,
307.213

■ 32, 121.305,
307.433

Harmonies

Complementary

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



89, 6.878, 299.535



92, 6.782, 118.817

Rectangle

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



89, 6.878, 299.535



89, 6.878, 349.535



89, 6.878, 119.535



89, 6.878, 169.535

Sweetspot

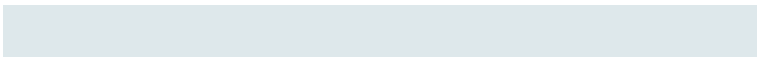
The Sweet Spot groups the original color and five complimentary colors.



89, 6.876, 299.527



98, 2.647, 299.285



91, 3.826, 221.772



53, 1.505, 299.278



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, 6.876, 299.527



95, 9.322, 299.632



89, 7.566, 316.463



46, 5.662, 299.670



23, 101.491, 307.547



3, 36.349, 303.209

Inverse Universe

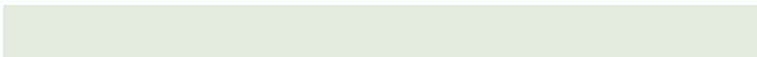
The Inverse Universe completely reimagines the original color for something new.



90, 7.003, 331.921



96, 9.480, 332.028



92, 7.519, 136.051



47, 5.755, 332.066



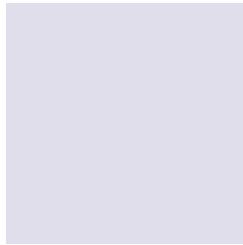
41, 74.852, 340.054



8, 32.853, 337.948

Previews

White Background



This preview shows how the CIELCh color 89, 6.878, 299.535 looks on a white background.

Color Contrast Check

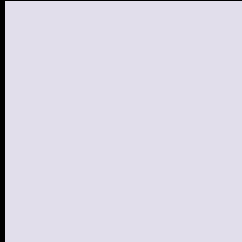
Large Text (above 18pt) WCAG AA × Fail

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, 6.878, 299.535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

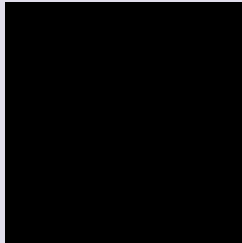
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

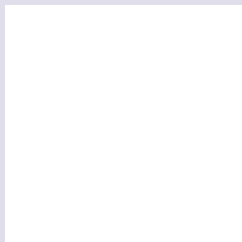
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 6.878, 299.535

Background



This preview shows how black text looks on a background with the CIELCh color 89, 6.878, 299.535.

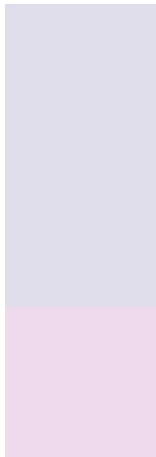


This preview shows how white text looks on a background with the CIELCh color 89, 6.878, 299.535.

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, 6.878, 299.535

Protanopia

89, 6.828, 296.628

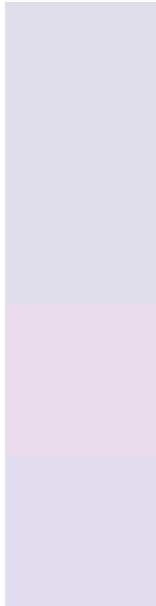
Deuteranopia

89, 12.663, 328.924



Tritanopia
89, 9.577, 301.421

Trichromacy



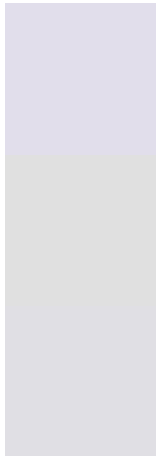
Original Color
89, 6.878, 299.535

Protanomaly
89, 6.828, 296.628

Deuteranomaly
89, 10.380, 321.534

Tritanomaly
89, 9.065, 301.999

Monochromacy



Original Color
89, 6.878, 299.535

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 2.641, 298.137

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 6.878, 299.535 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(225, 222, 235)` looks like.

```
.text, #text, p{  
    color:rgb(225, 222, 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(225, 222, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 222, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 6.878, 299.535 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(225, 222, 235) }
```

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

```
.border{ border-color:rgb(225, 222, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 222, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 222, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 222, 235);  
box-shadow:4px 4px 4px 4px rgb(225, 222,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 6.878, 299.535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 222, 235) }
```

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

```
.background{ background-color: rgb(225,  
222, 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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