

Converting Colors

CIELCh(89, 13.873, 302.713)

Have a look what the booklet for
CIELCh(89, 13.873, 302.713)
contains.

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Color

CIELCh(89, 13.884, 302.716)

Conversions

Conversions Part 1

Format	Color
Hex	E4DCF6
RGB	228, 220, 246
RGB Percent	89%, 86%, 96%
CMY	0.1068, 0.1381, 0.0362
CMYK	0.07, 0.11, 0.00, 0.04
HSL	258°, 58%, 91%
HSV	258°, 11%, 96%
XYZ	74.0555, 74.1641, 97.4143
YIQ	225.3560, -3.5780, 9.7820

Conversions

Conversions Part 2

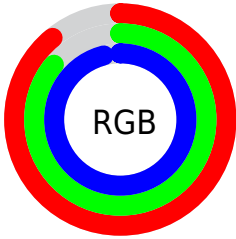
Format	Color
R _Y B	228, 220, 246
Decimal	14998774
CIE Lab	89.00, 7.50, -11.68
CIE LCh	89, 13.884, 302.716
Yxy	74.1641, 0.3015, 0.3019
Android (android.graphics.Color)	4293188854 (0xFFE4DCF6)
YUV	225.3560, 10.1775, 2.3188
Hunter-Lab	86.1186, 2.7890, -6.7837

Details

The CIELCh color `89, 13.884, 302.716` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `96, 13.598, 121.491`, 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, 14.095, 303.315` is the 20% darker color. If you saturate the color by 10%, you get `82, 27.487, 303.397`, and if you desaturate by 10%, it is `96, 0.752, 302.039`.

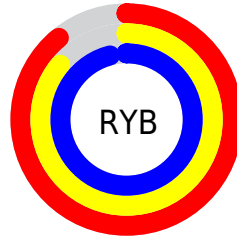
Distribution



Red (89%)

Green (86%)

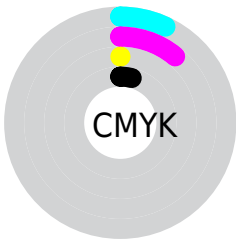
Blue (96%)



Red (89%)

Yellow (86%)

Blue (96%)

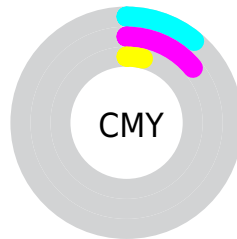


Cyan (7%)

Magenta (11%)

Yellow (0%)

Black (4%)



Cyan (11%)

Magenta (14%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 13.884, 302.716 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, 13.884, 302.716 by changing the saturation by 10% instead.

■ 89, 13.884,
302.716

■ 89, 13.884,
302.716

■ 100, 13.884,
302.716

■ 79, 13.884,
302.716

■ 69, 13.884,
302.716

■ 59, 13.884,
302.716

■ 49, 13.884,
302.716

■ 39, 13.884,
302.716

■ 29, 13.884,
302.716

■ 19, 13.884,

302.716

■ 9, 13.884, 302.716

■ 0, 13.884, 302.716

■ 89, 13.884,
302.716

■ 89, 13.884,
302.716

■ 82, 27.487,
303.397

■ 96, 0.752, 302.039

■ 74, 41.556,
304.164

■ 100, 4.669,
109.813

■ 67, 56.034,
305.011

■ 60, 70.774,
305.914

■ 53, 85.462,

306.827

■ 47, 99.488,
307.662

■ 41, 111.830,
308.277

■ 37, 121.101,
308.489

■ 34, 126.382,
308.265

Harmonies

Complementary

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



89, 13.884, 302.716



96, 13.598, 121.491

Rectangle

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



89, 13.884, 302.716



89, 13.884, 352.716



89, 13.884, 122.716



89, 13.884, 172.716

Sweetspot

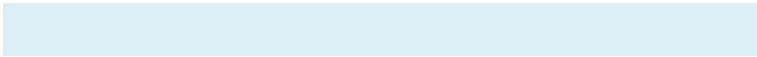
The Sweet Spot groups the original color and five complimentary colors.



89, 13.882, 302.713



98, 4.011, 302.242



93, 7.341, 232.450



52, 3.043, 302.291



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, 13.882, 302.713



90, 17.658, 302.873



90, 15.420, 319.266



47, 7.422, 302.643



25, 102.381, 308.421



4, 40.870, 306.876

Inverse Universe

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



90, 13.190, 335.300



92, 16.736, 335.483



95, 15.329, 138.331



48, 7.060, 335.219



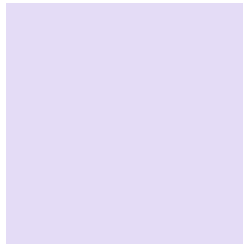
41, 72.513, 345.461



10, 33.109, 342.527

Previews

White Background



This preview shows how the CIELCh color 89, 13.884, 302.716 looks on a white background.

Color Contrast Check

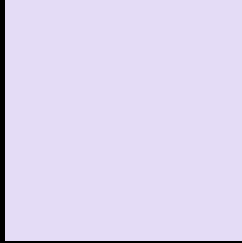
Large Text (above 18pt) WCAG AA × Fail

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, 13.884, 302.716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

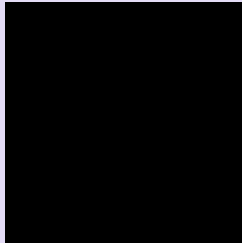
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 13.884, 302.716

Background



This preview shows how black text looks on a background with the CIELCh color 89, 13.884, 302.716.



This preview shows how white text looks on a background with the CIELCh color 89, 13.884, 302.716.

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, 13.884, 302.716

Protanopia

89, 13.032, 289.742

Deuteranopia

89, 16.448, 313.657



Tritanopia
89, 9.143, 304.152

Trichromacy



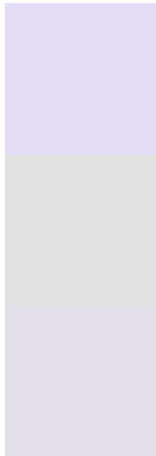
Original Color
89, 13.884, 302.716

Protanomaly
89, 13.592, 294.167

Deuteranomaly
89, 15.462, 309.578

Tritanomaly
89, 10.669, 302.289

Monochromacy



Original Color
89, 13.884, 302.716

Achromatopsia
90, 0.011, 296.813

Achromatomaly
89, 5.335, 302.039

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 13.884, 302.716 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, 220, 246)` looks like.

```
.text, #text, p{  
    color:rgb(228, 220, 246)  
}
```

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, 220, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 220, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 13.884, 302.716 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, 220, 246) }
```

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

```
.border{ border-color:rgb(228, 220, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 220, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 220, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 220, 246); box-shadow:4px 4px 4px 4px rgb(228, 220, 246) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 13.884, 302.716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 220, 246) }
```

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

```
.background{ background-color: rgb(228,  
220, 246) }
```

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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