

Converting Colors

CIELCh(89, 16.267, 303.493)

Have a look what the booklet for
CIELCh(89, 16.267, 303.493)
contains.

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Color

CIELCh(89, 16.081, 303.738)

Conversions

Conversions Part 1

Format	Color
Hex	E5DBF9
RGB	229, 219, 249
RGB Percent	90%, 86%, 98%
CMY	0.1019, 0.1411, 0.0235
CMYK	0.08, 0.12, 0.00, 0.02
HSL	260°, 71%, 92%
HSV	260°, 12%, 98%
XYZ	74.7469, 74.1641, 100.0017
YIQ	225.4100, -3.6700, 11.4500

Conversions

Conversions Part 2

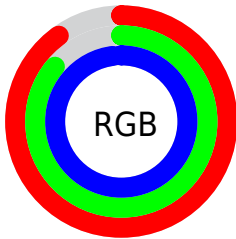
Format	Color
R _Y B	229, 219, 249
Decimal	15064057
CIE Lab	89.00, 8.93, -13.37
CIE LCh	89, 16.081, 303.738
Yxy	74.1641, 0.3003, 0.2980
Android (android.graphics.Color)	4293254137 (0xFFE5DBF9)
YUV	225.4100, 11.6299, 3.1484
Hunter-Lab	86.1186, 4.2220, -8.5650

Details

The CIELCh color `89, 16.081, 303.738` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `97, 15.721, 122.391`, 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, 16.335, 303.091` is the 20% darker color. If you saturate the color by 10%, you get `82, 29.935, 304.399`, and if you desaturate by 10%, it is `96, 2.693, 303.129`.

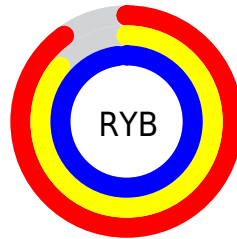
Distribution



Red (90%)

Green (86%)

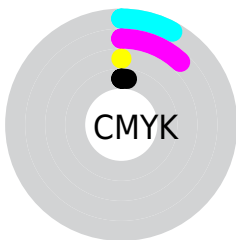
Blue (98%)



Red (90%)

Yellow (86%)

Blue (98%)

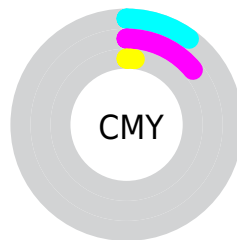


Cyan (8%)

Magenta (12%)

Yellow (0%)

Black (2%)



Cyan (10%)


Magenta (14%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 16.081, 303.738 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, 16.081, 303.738 by changing the saturation by 10% instead.


 89, 16.081,
303.738

 89, 16.081,
303.738


 100, 16.081,
303.738


 79, 16.081,
303.738

 69, 16.081,
303.738

 59, 16.081,
303.738

 49, 16.081,
303.738

 39, 16.081,
303.738

 29, 16.081,
303.738

 19, 16.081,

303.738

■ 9, 16.081, 303.738

■ 0, 16.081, 303.738

■ 89, 16.081,
303.738

■ 89, 16.081,
303.738

■ 82, 29.935,
304.399

■ 96, 2.693, 303.129

■ 74, 44.239,
305.138

■ 100, 3.029,
109.926

■ 67, 58.914,
305.943

■ 60, 73.782,
306.789

■ 53, 88.476,

307.622

■ 47, 102.321,
308.349

■ 42, 114.235,
308.827

■ 38, 122.858,
308.880

■ 35, 127.072,
308.608

Harmonies

Complementary

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



89, 16.081, 303.738



97, 15.721, 122.391

Rectangle

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



89, 16.081, 303.738



89, 16.081, 353.738



89, 16.081, 123.738



89, 16.081, 173.738

Sweetspot

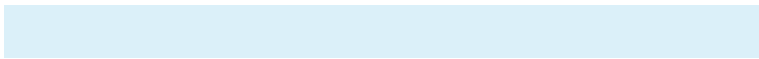
The Sweet Spot groups the original color and five complimentary colors.



89, 16.079, 303.736



97, 5.374, 303.251



93, 8.425, 234.727



51, 3.823, 303.295



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, 16.079, 303.736



89, 19.115, 303.860



90, 17.857, 319.838



48, 7.576, 303.578



26, 102.962, 308.770



4, 42.924, 308.083

Inverse Universe

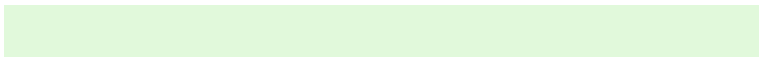
The Inverse Universe completely reimagines the original color for something new.



90, 14.928, 336.500



91, 17.712, 336.652



95, 17.751, 138.740



49, 7.050, 336.304



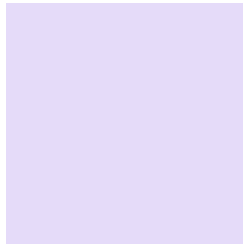
42, 72.110, 347.448



10, 33.482, 344.277

Previews

White Background



This preview shows how the CIELCh color 89, 16.081, 303.738 looks on a white background.

Color Contrast Check

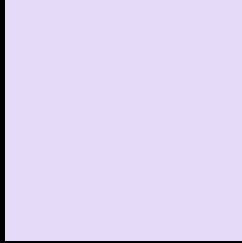
Large Text (above 18pt) WCAG AA × Fail

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, 16.081, 303.738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

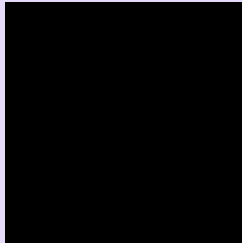
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 16.081, 303.738

Background



This preview shows how black text looks on a background with the CIELCh color 89, 16.081, 303.738.

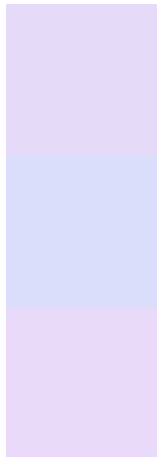


This preview shows how white text looks on a background with the CIELCh color 89, 16.081, 303.738.

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, 16.081, 303.738

Protanopia
89, 15.132, 287.571

Deuteranopia
89, 17.052, 309.075



Tritanopia
89, 9.143, 304.152

Trichromacy



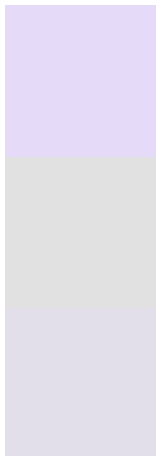
Original Color
89, 16.081, 303.738

Protanomaly
89, 15.153, 293.979

Deuteranomaly
89, 16.949, 307.956

Tritanomaly
89, 11.852, 304.652

Monochromacy



Original Color
89, 16.081, 303.738

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, 16.081, 303.738 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(229, 219, 249)` looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 219, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 219, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 16.081, 303.738 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(229, 219, 249) }
```

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

```
.border{ border-color:rgb(229, 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(229, 219, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 219, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 219, 249); box-shadow:4px 4px 4px 4px rgb(229, 219, 249) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 16.081, 303.738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 219, 249) }
```

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

```
.background{ background-color: rgb(229,  
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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