

Converting Colors

CIELCh(89, 20.225, 301.811)

Have a look what the booklet for
CIELCh(89, 20.225, 301.811)
contains.

CIELCh(89, 19.735, 302.604)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 19.735, 302.604)

Conversions

Conversions Part 1

Format	Color
Hex	E5DAFF
RGB	229, 218, 255
RGB Percent	90%, 85%, 100%
CMY	0.1012, 0.1443, 0.0000
CMYK	0.10, 0.14, 0.00, 0.00
HSL	258°, 100%, 93%
HSV	258°, 14%, 100%
XYZ	75.5771, 74.1641, 105.1050
YIQ	225.5070, -5.3210, 13.8390

Conversions

Conversions Part 2

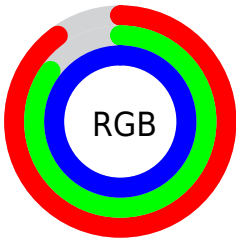
Format	Color
R _Y B	229, 218, 255
Decimal	15063807
CIE Lab	89.00, 10.63, -16.63
CIE LCh	89, 19.735, 302.604
Yxy	74.1641, 0.2966, 0.2910
Android (android.graphics.Color)	4293253887 (0xFFE5DAFF)
YUV	225.5070, 14.5400, 3.0634
Hunter-Lab	86.1186, 5.9429, -12.0785

Details

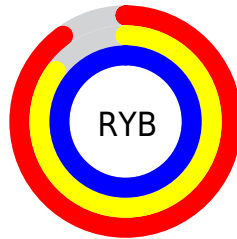
The CIELCh color `89, 19.735, 302.604` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 19.089, 120.924`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `69, 19.654, 302.396` is the 20% darker color. If you saturate the color by 10%, you get `81, 33.829, 303.385`, and if you desaturate by 10%, it is `97, 5.929, 302.007`.

Distribution



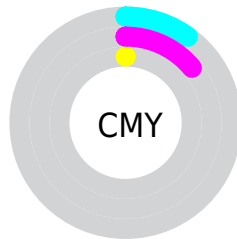
- Red (90%)
- Green (85%)
- Blue (100%)



- Red (90%)
- Yellow (85%)
- Blue (100%)



- Cyan (10%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (10%)
- Magenta (14%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 19.735, 302.604 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, 19.735, 302.604 by changing the saturation by 10% instead.

 89, 19.735,
302.604

 89, 19.735,
302.604

 100, 19.735,
302.604

 79, 19.735,
302.604

 69, 19.735,
302.604

 59, 19.735,
302.604

 49, 19.735,
302.604

 39, 19.735,
302.604

 29, 19.735,
302.604

 19, 19.735,

302.604

■ 9, 19.735, 302.604

■ 0, 19.735, 302.604

■ 89, 19.735,
302.604

■ 89, 19.735,
302.604

■ 81, 33.829,
303.385

■ 97, 5.929, 302.007

■ 74, 48.497,
304.202

100, 0.012,
296.813

■ 66, 63.552,
305.096

■ 59, 78.790,
306.036

■ 52, 93.787,

306.961

■ 46, 107.753,
307.760

■ 41, 119.440,
308.268

■ 37, 127.370,
308.297

■ 36, 130.185,
308.136

Harmonies

Complementary

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



89, 19.735, 302.604



98, 19.089, 120.924

Rectangle

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



89, 19.735, 302.604



89, 19.735, 352.604



89, 19.735, 122.604



89, 19.735, 172.604

Sweetspot

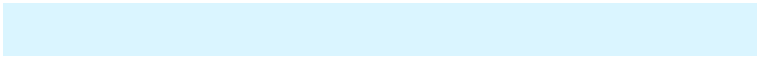
The Sweet Spot groups the original color and five complimentary colors.



89, 19.632, 302.655



97, 5.347, 301.980



95, 10.244, 230.615



51, 3.804, 302.026



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, 19.632, 302.655



87, 23.229, 302.834



90, 21.656, 318.938



49, 7.667, 302.326



26, 104.643, 308.290



5, 44.751, 307.681

Inverse Universe

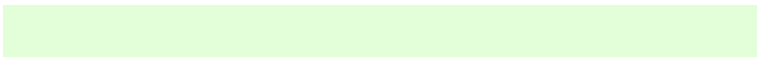
The Inverse Universe completely reimagines the original color for something new.



91, 18.714, 335.227



89, 22.075, 335.419



97, 21.484, 137.635



50, 7.346, 334.862



43, 74.370, 344.853



11, 35.039, 342.283

Previews

White Background



This preview shows how the CIELCh color 89, 19.735, 302.604 looks on a white background.

Color Contrast Check

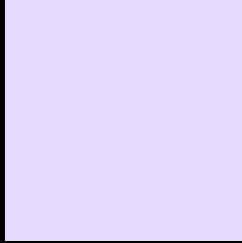
Large Text (above 18pt) WCAG AA × Fail

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, 19.735, 302.604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

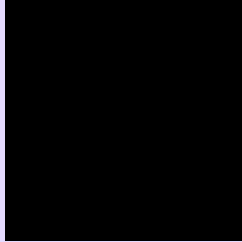
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 19.735, 302.604

Background



This preview shows how black text looks on a background with the CIELCh color 89, 19.735, 302.604.

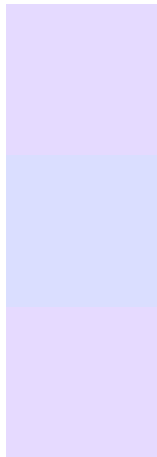


This preview shows how white text looks on a background with the CIELCh color 89, 19.735, 302.604.

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, 19.735, 302.604

Protanopia

89, 17.226, 287.119

Deuteranopia

89, 19.804, 303.574



Tritanopia
89, 9.065, 301.999

Trichromacy



Original Color
89, 19.735, 302.604

Protanomaly
89, 17.740, 292.701

Deuteranomaly
89, 19.804, 303.574

Tritanomaly
89, 12.793, 302.084

Monochromacy



Original Color
89, 19.735, 302.604

Achromatopsia
90, 0.011, 296.813

Achromatomaly
89, 7.448, 301.610

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 19.735, 302.604 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, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 218, 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(229, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 218, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 19.735, 302.604 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, 218, 255) }
```

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

```
.border{ border-color:rgb(229, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 218,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 19.735, 302.604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 218, 255) }
```

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

```
.background{ background-color: rgb(229,  
218, 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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