

Converting Colors

CIELCh(90, 33.812, 289.539)

Have a look what the booklet for
CIELCh(90, 33.812, 289.539)
contains.

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Color

CIElCh(89, 17.277, 284.919)

Conversions

Conversions Part 1

Format	Color
Hex	D8DEFF
RGB	216, 222, 255
RGB Percent	85%, 87%, 100%
CMY	0.1524, 0.1289, 0.0000
CMYK	0.15, 0.13, 0.00, 0.00
HSL	231°, 100%, 92%
HSV	231°, 15%, 100%
XYZ	72.5896, 74.1641, 105.2160
YIQ	223.9680, -14.1690, 8.9910

Conversions

Conversions Part 2

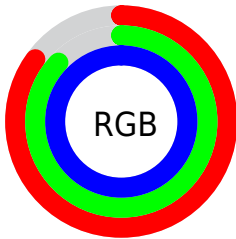
Format	Color
R _Y B	216, 221, 255
Decimal	14212863
CIE _L ab	89.00, 4.45, -16.69
CIE _L Ch	89, 17.277, 284.919
Yxy	74.1641, 0.2881, 0.2943
Android (android.graphics.Color)	4292402943 (0xFFD8DEFF)
YUV	223.9680, 15.2988, -6.9879
Hunter-Lab	86.1186, -0.2494, -12.1549

Details

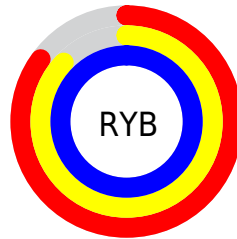
The CIELCh color `89, 17.277, 284.919` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `98, 16.825, 101.306`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `69, 17.115, 284.917` is the 20% darker color. If you saturate the color by 10%, you get `82, 28.968, 286.367`, and if you desaturate by 10%, it is `96, 5.826, 283.625`.

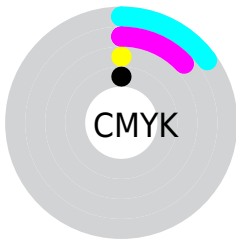
Distribution



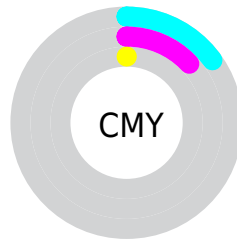
- Red (85%)
- Green (87%)
- Blue (100%)



- Red (85%)
- Yellow (87%)
- Blue (100%)



- Cyan (15%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 17.277, 284.919 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, 17.277, 284.919 by changing the saturation by 10% instead.

■ 89, 17.277,
284.919

■ 89, 17.277,
284.919

■ 100, 17.277,
284.919

■ 79, 17.277,
284.919

■ 69, 17.277,
284.919

■ 59, 17.277,
284.919

■ 49, 17.277,
284.919

■ 39, 17.277,
284.919

■ 29, 17.277,
284.919

■ 19, 17.277,

284.919

■ 9, 17.277, 284.919

■ 0, 17.277, 284.919

■ 89, 17.277,
284.919

■ 89, 17.277,
284.919

■ 82, 28.968,
286.367

■ 96, 5.826, 283.625

■ 74, 41.160,
288.115

100, 0.012,
296.813

■ 67, 53.816,
290.155

■ 60, 66.958,
292.502

■ 53, 80.540,

295.130

■ 47, 94.335,
297.942

■ 41, 107.725,
300.737

■ 37, 119.515,
303.223

■ 35, 124.140,
304.179

Harmonies

Complementary

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



89, 17.277, 284.919



98, 16.825, 101.306

Rectangle

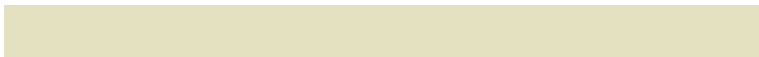
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 17.277, 284.919



89, 17.277, 334.919



89, 17.277, 104.919



89, 17.277, 154.919

Sweetspot

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



89, 17.202, 284.879



96, 5.558, 283.598



97, 13.679, 184.532



51, 3.795, 283.677



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, 17.202, 284.879



87, 20.409, 285.266



88, 20.852, 303.943



49, 6.360, 284.130



26, 98.758, 303.820



5, 39.211, 298.789

Inverse Universe

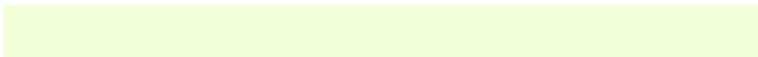
The Inverse Universe completely reimagines the original color for something new.



90, 14.591, 8.205



88, 17.371, 8.522



98, 20.270, 122.213



50, 5.353, 7.583



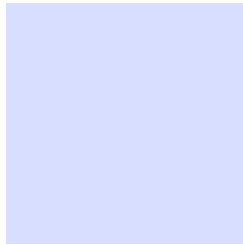
40, 77.249, 32.790



10, 32.253, 20.829

Previews

White Background



This preview shows how the CIE LCh color 89, 17.277, 284.919 looks on a white background.

Color Contrast Check

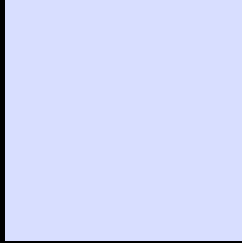
Large Text (above 18pt) WCAG AA × Fail

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, 17.277, 284.919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

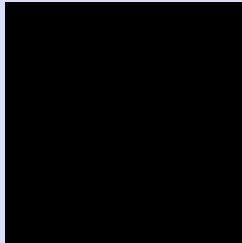
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 17.277, 284.919

Background



This preview shows how black text looks on a background with the CIELCh color 89, 17.277, 284.919.

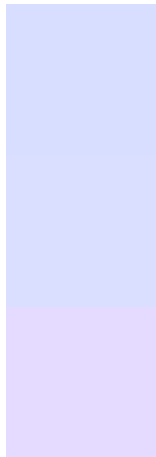


This preview shows how white text looks on a background with the CIELCh color 89, 17.277, 284.919.

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, 17.277, 284.919

Protanopia

89, 17.226, 287.119

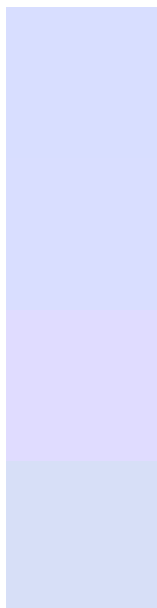
Deuteranopia

89, 19.735, 302.604



Tritanopia
89, 9.914, 270.769

Trichromacy



Original Color
89, 17.277, 284.919

Protanomaly
89, 17.248, 286.016

Deuteranomaly
89, 18.336, 295.869

Tritanomaly
89, 12.742, 278.915

Monochromacy



Original Color
89, 17.277, 284.919

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 6.284, 284.320

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 17.277, 284.919 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(216, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 222, 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(216, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 222, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 17.277, 284.919 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(216, 222, 255) }
```

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

```
.border{ border-color:rgb(216, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 222,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 17.277, 284.919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 222, 255) }
```

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

```
.background{ background-color: rgb(216,  
222, 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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