

Converting Colors

CIELCh(89, 14.791, 280.887)

Have a look what the booklet for
CIELCh(89, 14.791, 280.887)
contains.

CIELCh(89, 14.778, 280.879)	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, 14.778, 280.879)

Conversions

Conversions Part 1

Format	Color
Hex	D7DFFB
RGB	215, 223, 251
RGB Percent	84%, 87%, 98%
CMY	0.1570, 0.1256, 0.0158
CMYK	0.14, 0.11, 0.00, 0.02
HSL	227°, 82%, 91%
HSV	227°, 14%, 98%
XYZ	71.8021, 74.1641, 101.7707
YIQ	223.8000, -13.7560, 7.0120

Conversions

Conversions Part 2

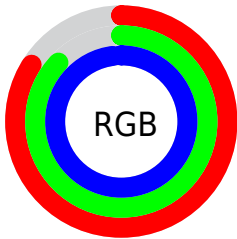
Format	Color
R _Y B	215, 222, 251
Decimal	14147579
CIE Lab	89.00, 2.79, -14.51
CIE LCh	89, 14.778, 280.879
Yxy	74.1641, 0.2898, 0.2994
Android (android.graphics.Color)	4292337659 (0xFFD7DFFB)
YUV	223.8000, 13.4096, -7.7176
Hunter-Lab	86.1186, -1.8818, -9.7830

Details

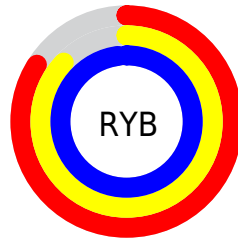
The CIELCh color `89, 14.778, 280.879` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `96, 14.578, 97.335`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `69, 14.487, 280.488` is the 20% darker color. If you saturate the color by 10%, you get `82, 25.427, 282.411`, and if you desaturate by 10%, it is `96, 4.421, 279.587`.

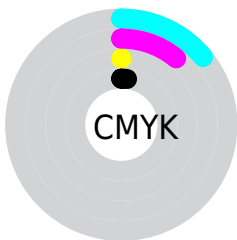
Distribution



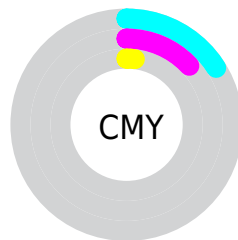
- Red (84%)
- Green (87%)
- Blue (98%)



- Red (84%)
- Yellow (87%)
- Blue (98%)



- Cyan (14%)
- Magenta (11%)
- Yellow (0%)
- Black (2%)





- Cyan (16%)
- Magenta (13%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 14.778, 280.879 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, 14.778, 280.879 by changing the saturation by 10% instead.


 89, 14.778,
280.879


 89, 14.778,
280.879


 100, 14.778,
280.879


 79, 14.778,
280.879

 69, 14.778,
280.879

 59, 14.778,
280.879

 49, 14.778,
280.879

 39, 14.778,
280.879

 29, 14.778,
280.879

 19, 14.778,

280.879

■ 9, 14.778, 280.879

■ 0, 14.778, 280.879

■ 89, 14.778,
280.879

■ 89, 14.778,
280.879

■ 82, 25.427,
282.411

■ 96, 4.421, 279.587

■ 76, 36.399,
284.214

100, 2.033,
109.988

■ 69, 47.727,
286.321

■ 62, 59.445,
288.757

■ 56, 71.569,

291.519

■ 50, 84.034,
294.544

■ 44, 96.569,
297.682

■ 40, 108.531,
300.690

■ 37, 114.677,
302.188

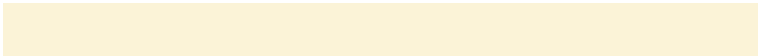
Harmonies

Complementary

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



89, 14.778, 280.879



96, 14.578, 97.335

Rectangle

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



89, 14.778, 280.879



89, 14.778, 330.879



89, 14.778, 100.879



89, 14.778, 150.879

Sweetspot

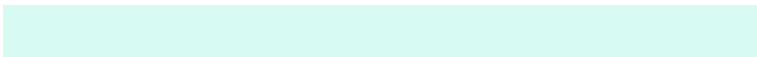
The Sweet Spot groups the original color and five complimentary colors.



89, 14.776, 280.874



97, 4.124, 279.550



96, 13.153, 179.455



51, 2.932, 279.634



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, 14.776, 280.874



88, 17.805, 281.260



88, 19.183, 301.487



49, 5.799, 280.216



28, 91.130, 301.713



6, 35.246, 296.189

Inverse Universe

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



89, 13.797, 2.946



89, 16.673, 3.256



97, 18.637, 119.668



49, 5.384, 2.407



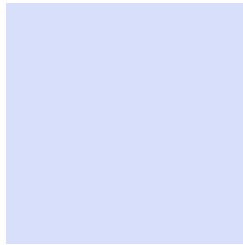
39, 73.104, 27.821



9, 30.885, 16.650

Previews

White Background



This preview shows how the CIE LCh color 89, 14.778, 280.879 looks on a white background.

Color Contrast Check

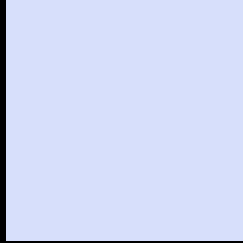
Large Text (above 18pt) WCAG AA × Fail

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, 14.778, 280.879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

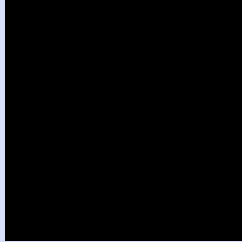
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

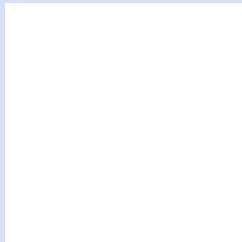
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 14.778, 280.879

Background



This preview shows how black text looks on a background with the CIELCh color 89, 14.778, 280.879.

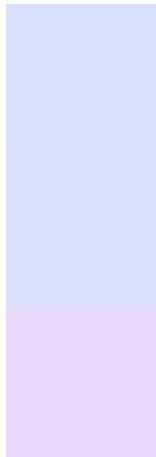


This preview shows how white text looks on a background with the CIELCh color 89, 14.778, 280.879.

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, 14.778, 280.879

Protanopia

89, 14.613, 287.385

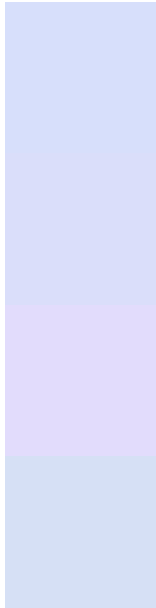
Deuteranopia

89, 18.449, 306.616



Tritanopia
89, 10.028, 268.941

Trichromacy



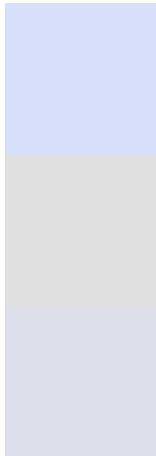
Original Color
89, 14.778, 280.879

Protanomaly
89, 14.634, 286.068

Deuteranomaly
89, 16.854, 298.471

Tritanomaly
89, 11.385, 273.698

Monochromacy



Original Color
89, 14.778, 280.879

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 5.299, 279.191

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 14.778, 280.879 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(215, 223, 251)` looks like.

```
.text, #text, p{  
    color:rgb(215, 223, 251)  
}
```

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(215, 223, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 223, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 14.778, 280.879 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(215, 223, 251) }
```

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

```
.border{ border-color:rgb(215, 223, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 223, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 223, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 223, 251);  
box-shadow:4px 4px 4px 4px rgb(215, 223,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 14.778, 280.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 223, 251) }
```

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

```
.background{ background-color: rgb(215,  
223, 251) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor