

Converting Colors

CIE LCh(89, 8.130, 285.911)

Have a look what the booklet for
CIELCh(89, 8.130, 285.911) contains.

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Color

CIELCh(89, 7.838, 285.742)

Conversions

Conversions Part 1

Format	Color
Hex	DDDFEE
RGB	221, 223, 238
RGB Percent	87%, 87%, 93%
CMY	0.1341, 0.1263, 0.0675
CMYK	0.07, 0.06, 0.00, 0.07
HSL	233°, 33%, 90%
HSV	233°, 7%, 93%
XYZ	71.4891, 74.1641, 91.2739
YIQ	224.1120, -6.0070, 4.2410

Conversions

Conversions Part 2

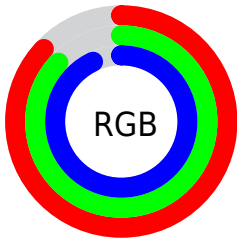
Format	Color
R _Y B	221, 223, 238
Decimal	14540782
CIE Lab	89.00, 2.13, -7.54
CIE LCh	89, 7.838, 285.742
Yxy	74.1641, 0.3017, 0.3130
Android (android.graphics.Color)	4292730862 (0xFFDDDFEE)
YUV	224.1120, 6.8468, -2.7292
Hunter-Lab	86.1186, -2.5305, -2.5562

Details

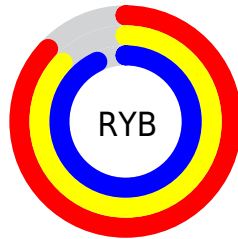
The CIELCh color `89, 7.838, 285.742` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `93, 7.730, 104.150`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `69, 7.713, 285.550` is the 20% darker color. If you saturate the color by 10%, you get `82, 19.116, 286.994`, and if you desaturate by 10%, it is `96, 3.059, 104.588`.

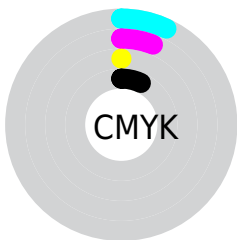
Distribution



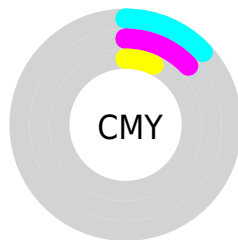
- Red (87%)
- Green (87%)
- Blue (93%)



- Red (87%)
- Yellow (87%)
- Blue (93%)



- Cyan (7%)
- Magenta (6%)
- Yellow (0%)
- Black (7%)



- Cyan (13%)
- Magenta (13%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 7.838, 285.742 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, 7.838, 285.742 by changing the saturation by 10% instead.

■ 89, 7.838, 285.742

■ 89, 7.838, 285.742

■ 100, 7.838,
285.742

■ 79, 7.838, 285.742

■ 69, 7.838, 285.742

■ 59, 7.838, 285.742

■ 49, 7.838, 285.742

■ 39, 7.838, 285.742

■ 29, 7.838, 285.742

■ 19, 7.838, 285.742

■ 9, 7.838, 285.742

■ 0, 7.838, 285.742

89, 7.838, 285.742

89, 7.838, 285.742

82, 19.116,
286.994

96, 3.059, 104.588

75, 30.814,
288.483

100, 8.711,
109.516

68, 42.967,
290.231

61, 55.605,
292.264

54, 68.726,
294.586

47, 82.217,
297.150

41, 95.692,
299.822

36, 108.259,
302.360

■ 33,118.432,
304.443

Harmonies

Complementary

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



89, 7.838, 285.742



93, 7.730, 104.150

Rectangle

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



89, 7.838, 285.742



89, 7.838, 335.742



89, 7.838, 105.742



89, 7.838, 155.742

Sweetspot

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



89, 7.836, 285.732



99, 2.308, 285.196



93, 6.068, 187.971



53, 1.312, 285.189



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, 7.836, 285.732



93, 10.473, 285.953



89, 9.163, 304.650



46, 6.293, 286.007



24, 98.446, 304.605



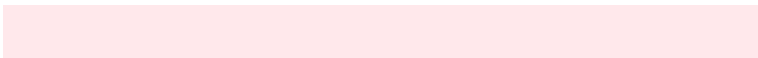
4, 34.721, 296.583

Inverse Universe

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



89, 6.257, 10.217



94, 8.387, 10.410



93, 9.036, 123.924



47, 5.043, 10.456



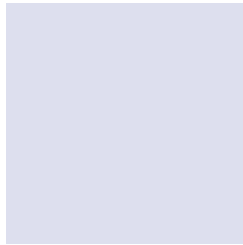
38, 76.619, 34.864



8, 29.277, 19.019

Previews

White Background



This preview shows how the CIELCh color 89, 7.838, 285.742 looks on a white background.

Color Contrast Check

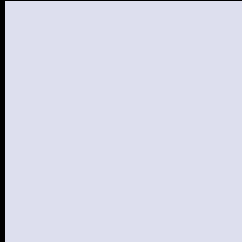
Large Text (above 18pt) WCAG AA × Fail

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, 7.838, 285.742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

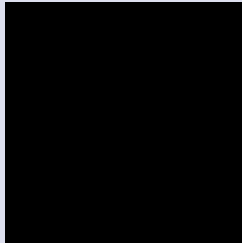
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

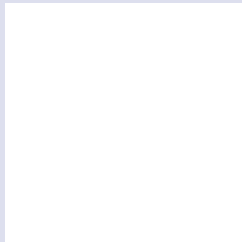
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 7.838, 285.742

Background



This preview shows how black text looks on a background with the CIELCh color 89, 7.838, 285.742.

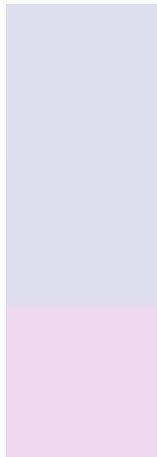


This preview shows how white text looks on a background with the CIELCh color 89, 7.838, 285.742.

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

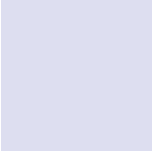
89, 7.838, 285.742

Protanopia

89, 7.837, 293.374

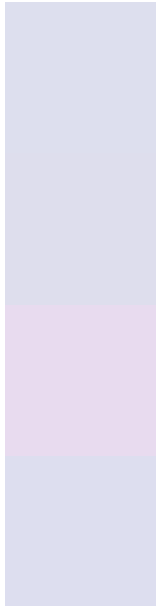
Deuteranopia

89, 13.716, 323.682



Tritanopia
89, 9.388, 288.840

Trichromacy



Original Color
89, 7.838, 285.742

Protanomaly
89, 7.825, 290.826

Deuteranomaly
89, 11.441, 314.462

Tritanomaly
89, 8.868, 288.671

Monochromacy



Original Color
89, 7.838, 285.742

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 2.629, 282.683

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 7.838, 285.742 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(221, 223, 238)` looks like.

```
.text, #text, p{  
    color:rgb(221, 223, 238)  
}
```

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(221, 223, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 223, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 7.838, 285.742 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(221, 223, 238) }
```

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

```
.border{ border-color:rgb(221, 223, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 223, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 223, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 223, 238);  
box-shadow:4px 4px 4px 4px rgb(221, 223,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 7.838, 285.742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 223, 238) }
```

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

```
.background{ background-color: rgb(221,  
223, 238) }
```

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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