

Converting Colors

CIELCh(89, 1.820, 277.571)

Have a look what the booklet for
CIELCh(89, 1.820, 277.571) contains.

CIELCh(89, 2.117, 280.733)	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, 2.117, 280.733)

Conversions

Conversions Part 1

Format	Color
Hex	DEDFE3
RGB	222, 223, 227
RGB Percent	87%, 87%, 89%
CMY	0.1278, 0.1238, 0.1082
CMYK	0.02, 0.02, 0.00, 0.11
HSL	228°, 8%, 88%
HSV	228°, 2%, 89%
XYZ	70.6752, 74.1641, 83.5676
YIQ	223.1570, -1.8800, 1.0320

Conversions

Conversions Part 2

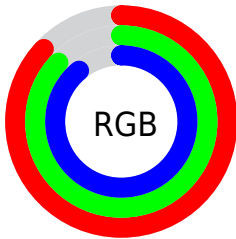
Format	Color
RYB	222, 223, 227
Decimal	14606307
CIELab	89.00, 0.39, -2.08
CIELCh	89, 2.117, 280.733
Yxy	74.1641, 0.3094, 0.3247
Android (android.graphics.Color)	4292796387 (0xFFDEDFE3)
YUV	223.1570, 1.8946, -1.0147
Hunter-Lab	86.1186, -4.2175, 2.7493

Details

The CIELCh color **89, 2.117, 280.733** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **90, 2.091, 100.029**, 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, 2.229, 280.790** is the 20% darker color. If you saturate the color by 10%, you get **83, 11.855, 281.869**, and if you desaturate by 10%, it is **95, 7.351, 99.511**.

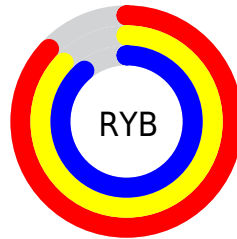
Distribution



Red (87%)

Green (87%)

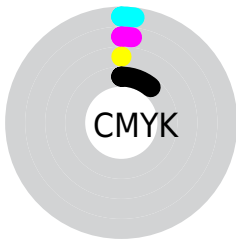
Blue (89%)



Red (87%)

Yellow (87%)

Blue (89%)

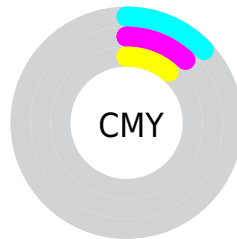


Cyan (2%)

Magenta (2%)

Yellow (0%)

Black (11%)



Cyan (13%)

Magenta (12%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 2.117, 280.733 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, 2.117, 280.733 by changing the saturation by 10% instead.

■ 89, 2.117, 280.733

■ 89, 2.117, 280.733

100, 2.117,
280.733

■ 79, 2.117, 280.733

■ 69, 2.117, 280.733

■ 59, 2.117, 280.733

■ 49, 2.117, 280.733

■ 39, 2.117, 280.733

■ 29, 2.117, 280.733

■ 19, 2.117, 280.733

■ 9, 2.117, 280.733

■ 0, 2.117, 280.733

89, 2.117, 280.733

89, 2.117, 280.733

83, 11.855,
281.869

95, 7.351, 99.511

76, 21.886,
283.320

99, 13.955,
109.123

70, 32.235,
285.024

64, 42.931,
287.016

58, 54.009,
289.322

51, 65.481,
291.946

46, 77.288,
294.834

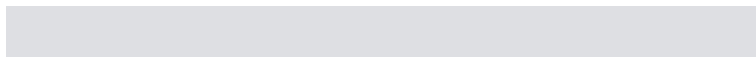
40, 89.184,
297.854

■ 36,100.571,
300.775

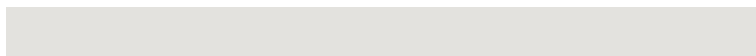
Harmonies

Complementary

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



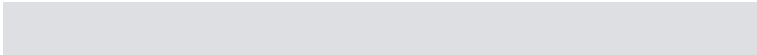
89, 2.117, 280.733



90, 2.091, 100.029

Rectangle

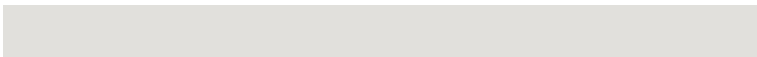
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89, 2.117, 280.733



89, 2.117, 330.733



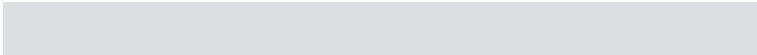
89, 2.117, 100.733



89, 2.117, 150.733

Sweetspot

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



89, 2.115, 280.689



99, 1.060, 280.649



90, 1.869, 182.089



53, 0.603, 280.652



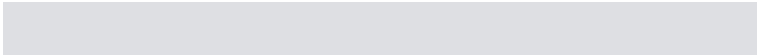
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

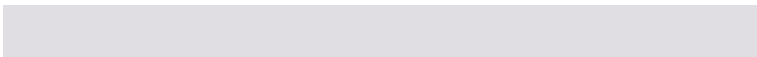
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 2.115, 280.689



98, 3.165, 280.762



89, 2.670, 301.285



47, 2.201, 280.840



25, 89.288, 302.350



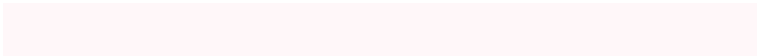
4, 29.038, 292.410

Inverse Universe

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



89, 1.880, 3.093



98, 2.818, 3.249



90, 2.638, 121.064



47, 1.963, 3.363



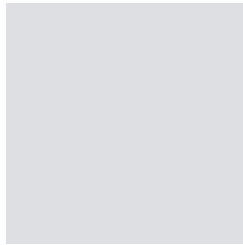
37, 70.982, 29.248



7, 26.667, 13.382

Previews

White Background



This preview shows how the CIELCh color 89, 2.117, 280.733 looks on a white background.

Color Contrast Check

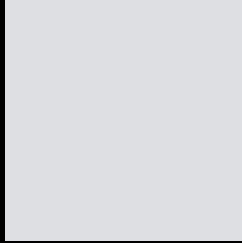
Large Text (above 18pt) WCAG AA × Fail

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, 2.117, 280.733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

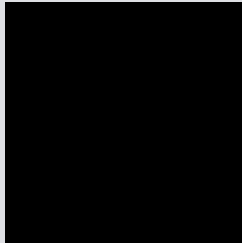
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

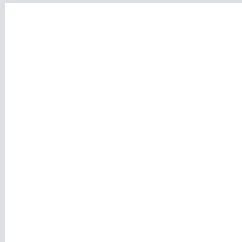
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 2.117, 280.733

Background



This preview shows how black text looks on a background with the CIELCh color 89, 2.117, 280.733.

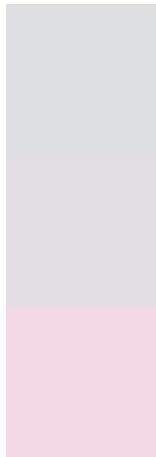


This preview shows how white text looks on a background with the CIELCh color 89, 2.117, 280.733.

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, 2.117, 280.733

Protanopia

89, 2.993, 318.832

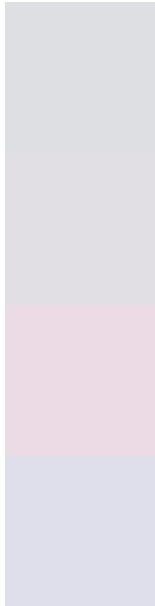
Deuteranopia

89, 11.280, 346.673



Tritanopia
89, 8.903, 295.385

Trichromacy



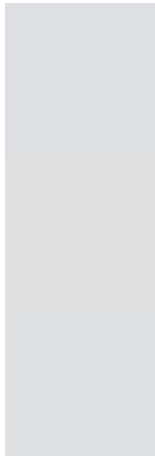
Original Color
89, 2.117, 280.733

Protanomaly
89, 2.219, 309.086

Deuteranomaly
89, 7.727, 342.625

Tritanomaly
89, 6.256, 290.699

Monochromacy



Original Color
89, 2.117, 280.733

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 0.634, 256.158

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 2.117, 280.733 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(222, 223, 227)` looks like.

```
.text, #text, p{  
    color:rgb(222, 223, 227)  
}
```

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(222, 223, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 223, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 2.117, 280.733 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(222, 223, 227) }
```

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

```
.border{ border-color:rgb(222, 223, 227) }
```

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

Here you see how a box with a 4 pixel rgb(222, 223, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 223, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 223, 227);  
box-shadow:4px 4px 4px 4px rgb(222, 223,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 2.117, 280.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 223, 227) }
```

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

```
.background{ background-color: rgb(222,  
223, 227) }
```

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