

Converting Colors

CIECh(82, 10.103, 285.115)

Have a look what the booklet for
CIELCh(82, 10.103, 285.115)
contains.

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Color

CIElCh(82, 10.112, 285.121)

Conversions

Conversions Part 1

Format	Color
Hex	C8CBDE
RGB	200, 203, 222
RGB Percent	78%, 80%, 87%
CMY	0.2155, 0.2037, 0.1292
CMYK	0.10, 0.09, 0.00, 0.13
HSL	232°, 25%, 83%
HSV	232°, 10%, 87%
XYZ	58.3920, 60.2982, 77.7040
YIQ	204.2690, -7.8870, 5.2730

Conversions

Conversions Part 2

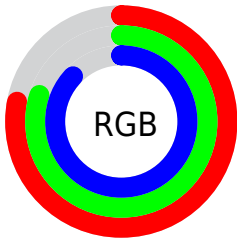
Format	Color
R _Y B	200, 203, 222
Decimal	13159390
CIE Lab	82.00, 2.64, -9.76
CIE LCh	82, 10.112, 285.121
Yxy	60.2982, 0.2973, 0.3070
Android (android.graphics.Color)	4291349470 (0xFFC8CBDE)
YUV	204.2690, 8.7414, -3.7439
Hunter-Lab	77.6519, -1.6640, -4.9735

Details

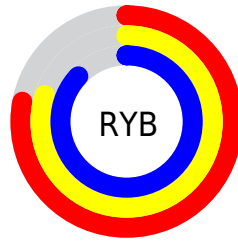
The CIELCh color `82, 10.112, 285.121` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `87, 9.948, 102.888`, and the grayscale version is `82, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `62, 10.144, 285.089` is the 20% darker color. If you saturate the color by 10%, you get `75, 20.654, 286.447`, and if you desaturate by 10%, it is `89, 0.082, 102.330`.

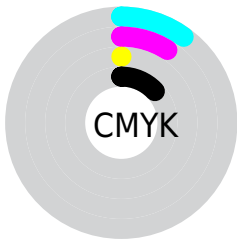
Distribution



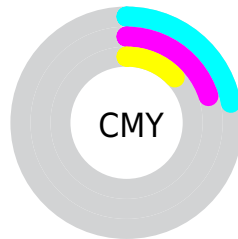
- Red (78%)
- Green (80%)
- Blue (87%)



- Red (78%)
- Yellow (80%)
- Blue (87%)



- Cyan (10%)
- Magenta (9%)
- Yellow (0%)
- Black (13%)





- Cyan (22%)
- Magenta (20%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 10.112, 285.121 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 82, 10.112, 285.121 by changing the saturation by 10% instead.


 82, 10.112,
285.121


 82, 10.112,
285.121


 100, 10.112,
285.121


 72, 10.112,
285.121


 62, 10.112,
285.121

 52, 10.112,
285.121

 42, 10.112,
285.121

 32, 10.112,
285.121

 22, 10.112,
285.121

 12, 10.112,

285.121

■ 2, 10.112, 285.121

■ 0, 10.112, 285.121

■ 82, 10.112,
285.121

■ 82, 10.112,
285.121

■ 75, 20.654,
286.447

■ 89, 0.082, 102.330

■ 69, 31.578,
288.016

■ 95, 9.949, 102.962

■ 99, 16.665,
108.918

■ 62, 42.918,
289.852

■ 56, 54.700,
291.980

■ 49, 66.918,

294.399

■ 43, 79.452,
297.049

■ 38, 91.919,
299.786

■ 33, 103.464,
302.360

■ 30, 112.763,
304.424

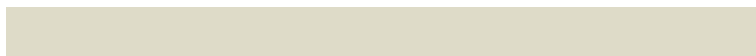
Harmonies

Complementary

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



82, 10.112, 285.121



87, 9.948, 102.888

Rectangle

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



82, 10.112, 285.121



82, 10.112, 335.121



82, 10.112, 105.121



82, 10.112, 155.121

Sweetspot

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



82, 10.110, 285.114



98, 3.394, 284.338



87, 7.969, 186.371



52, 2.574, 284.419



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 10.110, 285.114



91, 13.747, 285.387



82, 12.036, 304.205



44, 5.840, 285.059



23, 93.842, 304.137



3, 28.655, 292.864

Inverse Universe

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



82, 8.308, 9.025



92, 11.333, 9.253



87, 11.816, 123.150



44, 4.796, 8.977



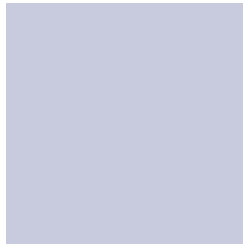
37, 73.228, 33.608



6, 25.308, 15.174

Previews

White Background



This preview shows how the CIELCh color 82, 10.112, 285.121 looks on a white background.

Color Contrast Check

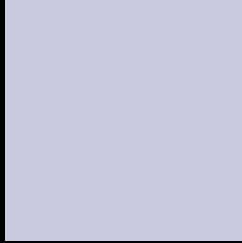
Large Text (above 18pt) WCAG AA × Fail

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 82, 10.112, 285.121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

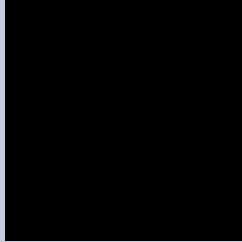
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

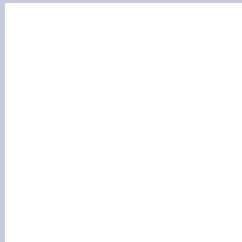
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 10.112, 285.121

Background



This preview shows how black text looks on a background with the CIELCh color 82, 10.112, 285.121.

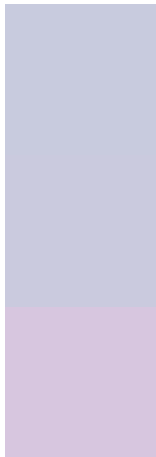


This preview shows how white text looks on a background with the CIELCh color 82, 10.112, 285.121.

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

82, 10.112, 285.121

Protanopia

82, 10.614, 291.111

Deuteranopia

82, 14.643, 315.554



Tritanopia
82, 9.059, 284.308

Trichromacy



Original Color
82, 10.112, 285.121

Protanomaly
82, 10.615, 289.226

Deuteranomaly
82, 12.758, 307.251

Tritanomaly
82, 9.585, 284.734

Monochromacy



Original Color
82, 10.112, 285.121

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 3.726, 285.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 10.112, 285.121 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(200, 203, 222)` looks like.

```
.text, #text, p{  
    color:rgb(200, 203, 222)  
}
```

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(200, 203, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 203, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 10.112, 285.121 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(200, 203, 222) }
```

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

```
.border{ border-color:rgb(200, 203, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 203, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 203, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 203, 222);  
box-shadow:4px 4px 4px 4px rgb(200, 203,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 10.112, 285.121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 203, 222) }
```

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

```
.background{ background-color: rgb(200,  
203, 222) }
```

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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