

Converting Colors

CIE LCh(83, 8.151, 226.200)

Have a look what the booklet for
CIELCh(83, 8.151, 226.200) contains.

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Color

CIE LCh(83, 8.119, 226.200)

Conversions

Conversions Part 1

Format	Color
Hex	BDD2D9
RGB	189, 210, 217
RGB Percent	74%, 82%, 85%
CMY	0.2574, 0.1750, 0.1476
CMYK	0.13, 0.03, 0.00, 0.15
HSL	195°, 27%, 80%
HSV	195°, 13%, 85%
XYZ	56.7804, 62.1629, 74.8980
YIQ	204.5190, -14.7630, -2.2750

Conversions

Conversions Part 2

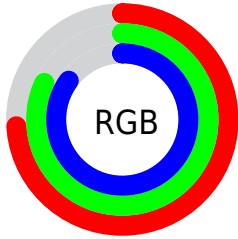
Format	Color
RYB	189, 201, 217
Decimal	12440281
CIELab	83.00, -5.62, -5.86
CIELCh	83, 8.119, 226.200
Yxy	62.1629, 0.2929, 0.3207
Android (android.graphics.Color)	4290630361 (0xFFBDD2D9)
YUV	204.5190, 6.1531, -13.6102
Hunter-Lab	78.8435, -9.4265, -1.1326

Details

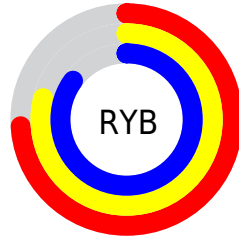
The CIELCh color `83, 8.119, 226.200` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `81, 8.774, 44.811`, and the grayscale version is `82, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 3.457, 199.378`, and `63, 8.268, 222.870` is the 20% darker color. If you saturate the color by 10%, you get `80, 14.029, 226.930`, and if you desaturate by 10%, it is `86, 1.862, 225.840`.

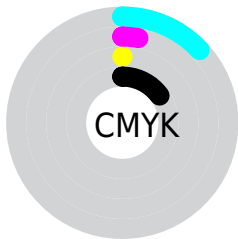
Distribution



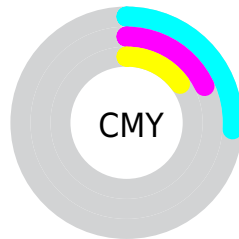
- Red (74%)
- Green (82%)
- Blue (85%)



- Red (74%)
- Yellow (79%)
- Blue (85%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)
- Black (15%)



- Cyan (26%)
- Magenta (18%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 8.119, 226.200 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 83, 8.119, 226.200 by changing the saturation by 10% instead.

■ 83, 8.119, 226.200

■ 83, 8.119, 226.200

■ 100, 8.119,
226.200

■ 73, 8.119, 226.200

■ 63, 8.119, 226.200

■ 53, 8.119, 226.200

■ 43, 8.119, 226.200

■ 33, 8.119, 226.200

■ 23, 8.119, 226.200

■ 13, 8.119, 226.200

■ 3, 8.119, 226.200

■ 0, 8.119, 226.200

83, 8.119, 226.200

83, 8.119, 226.200

80, 14.029,
226.930

86, 1.862, 225.840

77, 19.508,
227.940

89, 4.665, 44.991

75, 24.466,
229.267

92, 11.396, 44.753

72, 28.819,
230.989

93, 11.373, 61.325

70, 32.502,
233.191

95, 12.179, 77.271

68, 35.489,
235.969

96, 13.786, 90.299

66, 37.813,
239.404

97, 15.943,
100.145

64, 39.585,
243.535

99, 18.450,
107.423

99, 19.028,
108.738

■ 63, 40.672,
246.777

Harmonies

Complementary

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



83, 8.119, 226.200



81, 8.774, 44.811

Rectangle

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



83, 8.119, 226.200



83, 8.119, 276.200



83, 8.119, 46.200



83, 8.119, 96.200

Sweetspot

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



83, 8.119, 226.186



99, 2.930, 225.813



84, 15.297, 150.861



52, 2.079, 225.818



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 8.119, 226.186



95, 10.697, 226.332



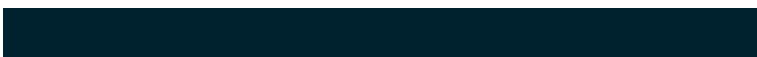
79, 11.208, 277.777



45, 3.633, 225.992



51, 34.216, 245.986



12, 13.257, 236.860

Inverse Universe

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



80, 15.180, 333.158



90, 20.141, 333.314



84, 11.128, 94.532



43, 6.721, 332.919



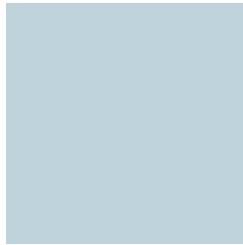
39, 71.547, 341.275



6, 28.993, 338.527

Previews

White Background



This preview shows how the CIELCh color 83, 8.119, 226.200 looks on a white background.

Color Contrast Check

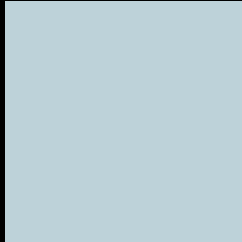
Large Text (above 18pt) WCAG AA × Fail

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 83, 8.119, 226.200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

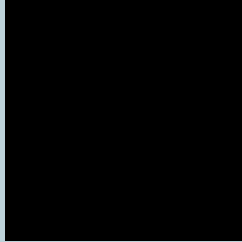
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

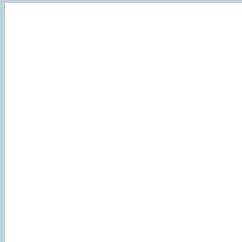
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 8.119, 226.200

Background



This preview shows how black text looks on a background with the CIELCh color 83, 8.119, 226.200.



This preview shows how white text looks on a background with the CIELCh color 83, 8.119, 226.200.

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

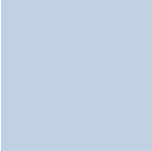
83, 8.119, 226.200

Protanopia

83, 4.902, 303.263

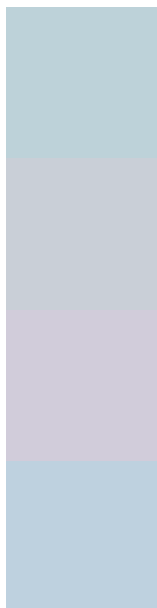
Deuteranopia

83, 12.414, 326.295



Tritanopia
83, 10.765, 256.000

Trichromacy



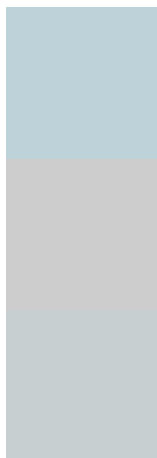
Original Color
83, 8.119, 226.200

Protanomaly
83, 4.704, 263.657

Deuteranomaly
83, 7.651, 304.262

Tritanomaly
83, 9.753, 248.682

Monochromacy



Original Color
83, 8.119, 226.200

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 3.040, 219.782

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 8.119, 226.200 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(189, 210, 217)` looks like.

```
.text, #text, p{  
    color:rgb(189, 210, 217)  
}
```

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(189, 210, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 210, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 8.119, 226.200 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(189, 210, 217) }
```

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

```
.border{ border-color:rgb(189, 210, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 210, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 210, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 210, 217);  
box-shadow:4px 4px 4px 4px rgb(189, 210,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 8.119, 226.200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 210, 217) }
```

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

```
.background{ background-color: rgb(189,  
210, 217) }
```

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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