

Converting Colors

CIELCh(83, 9.730, 173.645)

Have a look what the booklet for
CIELCh(83, 9.730, 173.645) contains.

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Color

CIELCh(83, 9.631, 172.697)

Conversions

Conversions Part 1

Format	Color
Hex	BCD4CC
RGB	188, 212, 204
RGB Percent	74%, 83%, 80%
CMY	0.2626, 0.1685, 0.1999
CMYK	0.11, 0.00, 0.04, 0.17
HSL	160°, 22%, 78%
HSV	160°, 11%, 83%
XYZ	55.2041, 62.1629, 66.2389
YIQ	203.9120, -11.7360, -7.5760

Conversions

Conversions Part 2

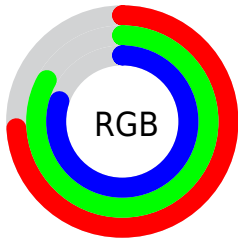
Format	Color
RYB	188, 202, 212
Decimal	12375244
CIELab	83.00, -9.55, 1.22
CIELCh	83, 9.631, 172.697
Yxy	62.1629, 0.3007, 0.3386
Android (android.graphics.Color)	4290565324 (0xFFBCD4CC)
YUV	203.9120, 0.0434, -13.9548
Hunter-Lab	78.8435, -12.9951, 5.3790

Details

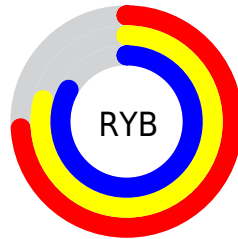
The CIELCh color **83, 9.631, 172.697** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **78, 9.914, 354.716**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 3.799, 199.339**, and **63, 9.230, 173.475** is the 20% darker color. If you saturate the color by 10%, you get **81, 17.985, 171.668**, and if you desaturate by 10%, it is **85, 1.124, 173.999**.

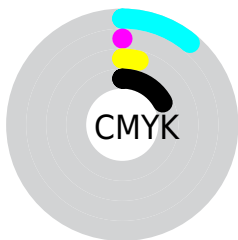
Distribution



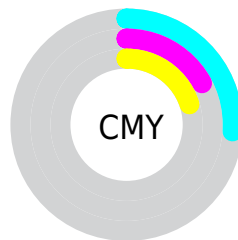
- Red (74%)
- Green (83%)
- Blue (80%)



- Red (74%)
- Yellow (79%)
- Blue (83%)



- Cyan (11%)
- Magenta (0%)
- Yellow (4%)
- Black (17%)



- Cyan (26%)
- Magenta (17%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 9.631, 172.697 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, 9.631, 172.697 by changing the saturation by 10% instead.

■ 83, 9.631, 172.697

■ 83, 9.631, 172.697

■ 100, 9.631,
172.697

■ 73, 9.631, 172.697

■ 63, 9.631, 172.697

■ 53, 9.631, 172.697

■ 43, 9.631, 172.697

■ 33, 9.631, 172.697

■ 23, 9.631, 172.697

■ 13, 9.631, 172.697

■ 3, 9.631, 172.697

■ 0, 9.631, 172.697

83, 9.631, 172.697

83, 9.631, 172.697

81, 17.985,
171.668

85, 1.124, 173.999

80, 26.059,
170.571

87, 7.437, 354.365

79, 33.717,
169.371

89, 15.970,
355.213

78, 40.814,
168.043

89, 18.731,
346.680

77, 47.217,
166.562

89, 20.907,
338.221

76, 52.818,
164.902

89, 23.471,
331.543

76, 57.560,
163.044

90, 26.306,
326.303

76, 61.459,
160.980

90, 26.922,
325.362

■ 75, 64.318,
159.079

Harmonies

Complementary

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



83, 9.631, 172.697



78, 9.914, 354.716

Rectangle

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



83, 9.631, 172.697



83, 9.631, 222.697



83, 9.631, 352.697



83, 9.631, 42.697

Sweetspot

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



83, 9.633, 172.691



99, 2.972, 173.601



83, 13.938, 133.660



53, 2.254, 173.488



0, 0.000, 0.000



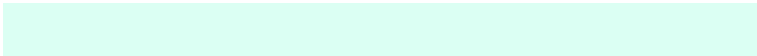
53, 0.007, 296.813

Same Dimension

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



83, 9.633, 172.691



97, 13.809, 172.406



82, 7.380, 213.993



44, 4.874, 172.882



62, 54.424, 159.443



15, 19.780, 164.239

Inverse Universe

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



78, 9.914, 354.716



91, 14.314, 355.021



79, 7.942, 33.839



42, 4.994, 354.514



36, 63.926, 17.679



5, 22.398, 4.477

Previews

White Background



This preview shows how the CIELCh color 83, 9.631, 172.697 looks on a white background.

Color Contrast Check

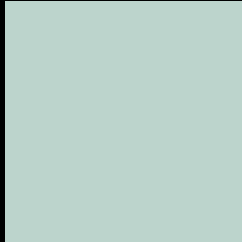
Large Text (above 18pt) WCAG AA × Fail

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, 9.631, 172.697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

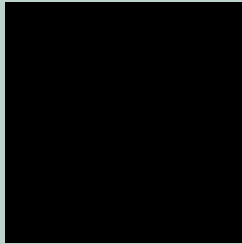
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

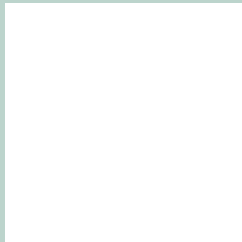
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 9.631, 172.697

Background



This preview shows how black text looks on a background with the CIELCh color 83, 9.631, 172.697.

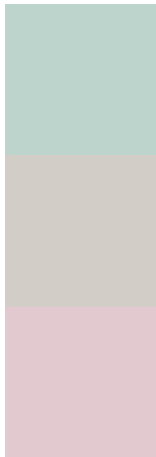


This preview shows how white text looks on a background with the CIELCh color 83, 9.631, 172.697.

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, 9.631, 172.697

Protanopia

83, 3.424, 69.623

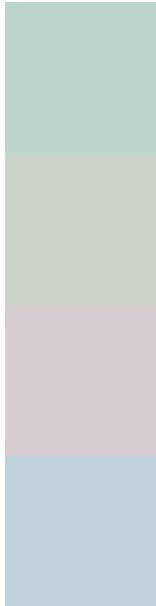
Deuteranopia

83, 10.288, 359.195



Tritanopia
83, 10.157, 255.778

Trichromacy



Original Color
83, 9.631, 172.697

Protanomaly
83, 4.132, 136.090

Deuteranomaly
83, 3.122, 359.700

Tritanomaly
83, 7.522, 228.598

Monochromacy



Original Color
83, 9.631, 172.697

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 3.638, 173.431

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 9.631, 172.697 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(188, 212, 204)` looks like.

```
.text, #text, p{  
    color:rgb(188, 212, 204)  
}
```

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(188, 212, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 212, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 9.631, 172.697 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(188, 212, 204) }
```

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

```
.border{ border-color:rgb(188, 212, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 212, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 212, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 212, 204);  
box-shadow:4px 4px 4px 4px rgb(188, 212,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 9.631, 172.697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 212, 204) }
```

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

```
.background{ background-color: rgb(188,  
212, 204) }
```

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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