

Converting Colors

CIELCh(83, 12.167, 158.496)

Have a look what the booklet for
CIELCh(83, 12.167, 158.496)
contains.

CIELCh(83, 12.376, 158.788)	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(83, 12.376, 158.788)

Conversions

Conversions Part 1

Format	Color
Hex	BBD5C6
RGB	187, 213, 198
RGB Percent	73%, 84%, 78%
CMY	0.2670, 0.1651, 0.2239
CMYK	0.12, 0.00, 0.07, 0.17
HSL	145°, 24%, 78%
HSV	145°, 12%, 83%
XYZ	54.4200, 62.1629, 62.4965
YIQ	203.5160, -10.6810, -10.1770

Conversions

Conversions Part 2

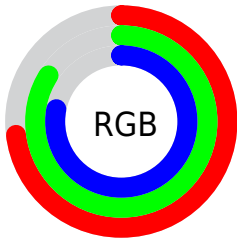
Format	Color
RYB	187, 205, 213
Decimal	12309958
CIELab	83.00, -11.54, 4.48
CIELCh	83, 12.376, 158.788
Yxy	62.1629, 0.3039, 0.3471
Android (android.graphics.Color)	4290500038 (0xFFBBD5C6)
YUV	203.5160, -2.7194, -14.4845
Hunter-Lab	78.8435, -14.7704, 8.1933

Details

The CIELCh color **83, 12.376, 158.788** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **78, 12.515, 340.650**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 4.141, 199.303**, and **63, 12.139, 158.250** is the 20% darker color. If you saturate the color by 10%, you get **81, 22.510, 157.867**, and if you desaturate by 10%, it is **85, 2.229, 159.736**.

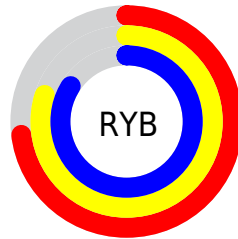
Distribution



Red (73%)

Green (84%)

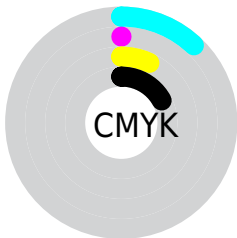
Blue (78%)



Red (73%)

Yellow (80%)

Blue (84%)

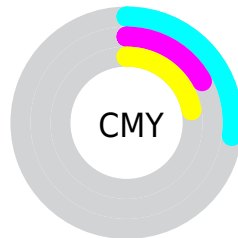


Cyan (12%)

Magenta (0%)

Yellow (7%)

Black (17%)



Cyan (27%)

Magenta (17%)

Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 12.376, 158.788 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, 12.376, 158.788 by changing the saturation by 10% instead.

 83, 12.376,
158.788

 83, 12.376,
158.788

 100, 12.376,
158.788


 73, 12.376,
158.788


 63, 12.376,
158.788

 53, 12.376,
158.788

 43, 12.376,
158.788

 33, 12.376,
158.788

 23, 12.376,
158.788

 13, 12.376,

158.788

■ 3, 12.376, 158.788

■ 0, 12.376, 158.788

■ 83, 12.376,
158.788

■ 83, 12.376,
158.788

■ 81, 22.510,
157.867

■ 85, 2.229, 159.736

■ 80, 32.491,
156.839

■ 87, 7.830, 340.229

■ 89, 17.721,
340.909

■ 79, 42.163,
155.672

■ 90, 23.154,
331.175

■ 78, 51.350,
154.341

■ 90, 26.379,
325.343

■ 77, 59.876,

152.823

■ 76, 67.585,
151.101

■ 76, 74.371,
149.173

■ 75, 80.200,
147.059

■ 75, 84.179,
145.371

Harmonies

Complementary

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



83, 12.376, 158.788



78, 12.515, 340.650

Rectangle

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



83, 12.376, 158.788



83, 12.376, 208.788



83, 12.376, 338.788



83, 12.376, 28.788

Sweetspot

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



83, 12.378, 158.786



99, 4.676, 159.515



84, 14.258, 125.522



53, 3.325, 159.440



0, 0.000, 0.000



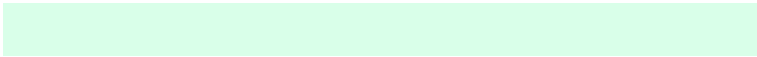
53, 0.007, 296.813

Same Dimension

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



83, 12.378, 158.786



97, 17.607, 158.525



83, 9.250, 191.666



44, 5.776, 159.029



61, 70.882, 145.737



14, 25.021, 150.826

Inverse Universe

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



78, 12.515, 340.650



90, 17.841, 340.902



78, 9.877, 13.469



42, 5.829, 340.414



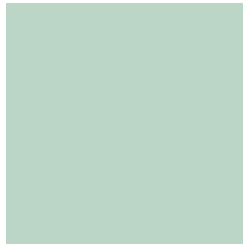
37, 64.181, 354.695



5, 24.453, 348.939

Previews

White Background



This preview shows how the CIELCh color 83, 12.376, 158.788 looks on a white background.

Color Contrast Check

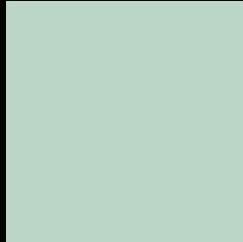
Large Text (above 18pt) WCAG AA × Fail

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, 12.376, 158.788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

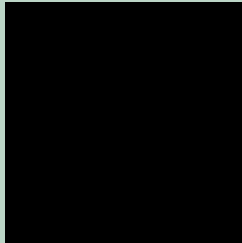
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

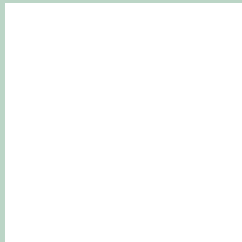
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 12.376, 158.788

Background



This preview shows how black text looks on a background with the CIELCh color 83, 12.376, 158.788.

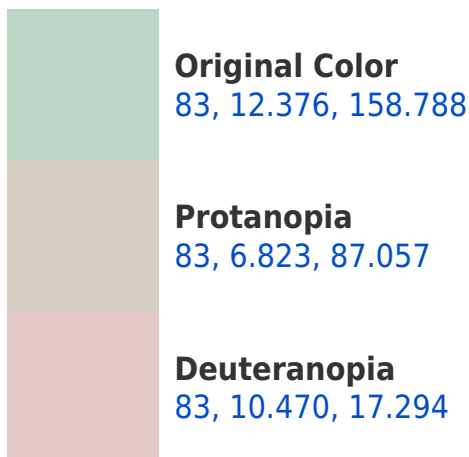


This preview shows how white text looks on a background with the CIELCh color 83, 12.376, 158.788.

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





Tritanopia
83, 10.157, 255.778

Trichromacy



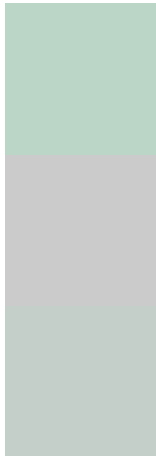
Original Color
83, 12.376, 158.788

Protanomaly
83, 7.612, 123.594

Deuteranomaly
83, 3.943, 61.314

Tritanomaly
83, 7.431, 219.903

Monochromacy



Original Color
83, 12.376, 158.788

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 4.852, 158.350

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 12.376, 158.788 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(187, 213, 198)` looks like.

```
.text, #text, p{  
    color:rgb(187, 213, 198)  
}
```

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(187, 213, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 213, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 12.376, 158.788 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(187, 213, 198) }
```

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

```
.border{ border-color:rgb(187, 213, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 213, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 213, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 213, 198);  
box-shadow:4px 4px 4px 4px rgb(187, 213,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 12.376, 158.788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 213, 198) }
```

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

```
.background{ background-color: rgb(187,  
213, 198) }
```

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