

Converting Colors

CIELCh(83, 8.567, 208.316)

Have a look what the booklet for
CIELCh(83, 8.567, 208.316) contains.

CIELCh(83, 8.504, 209.663)	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, 8.504, 209.663)

Conversions

Conversions Part 1

Format	Color
Hex	BBD3D6
RGB	187, 211, 214
RGB Percent	73%, 83%, 84%
CMY	0.2658, 0.1716, 0.1599
CMYK	0.13, 0.01, 0.00, 0.16
HSL	187°, 25%, 79%
HSV	187°, 13%, 84%
XYZ	56.0674, 62.1629, 72.8160
YIQ	204.1660, -15.2670, -4.1550

Conversions

Conversions Part 2

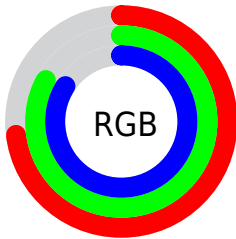
Format	Color
R _Y B	187, 200, 214
Decimal	12309462
CIE Lab	83.00, -7.39, -4.21
CIE LCh	83, 8.504, 209.663
Yxy	62.1629, 0.2935, 0.3254
Android (android.graphics.Color)	4290499542 (0xFFBBD3D6)
YUV	204.1660, 4.8482, -15.0546
Hunter-Lab	78.8435, -11.0407, 0.4331

Details

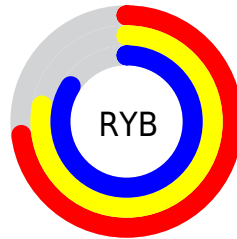
The CIELCh color **83, 8.504, 209.663** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79, 9.239, 29.958**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 4.141, 199.303**, and **63, 8.196, 210.621** is the 20% darker color. If you saturate the color by 10%, you get **81, 14.782, 209.622**, and if you desaturate by 10%, it is **85, 1.803, 210.006**.

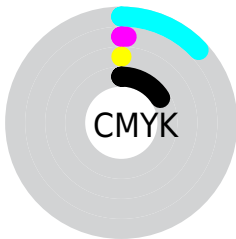
Distribution



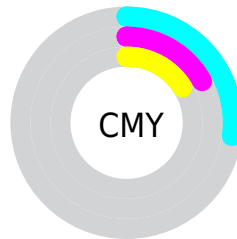
- Red (73%)
- Green (83%)
- Blue (84%)



- Red (73%)
- Yellow (78%)
- Blue (84%)



- Cyan (13%)
- Magenta (1%)
- Yellow (0%)
- Black (16%)



- Cyan (27%)
- Magenta (17%)
- Yellow (16%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 8.504, 209.663 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, 8.504, 209.663 by changing the saturation by 10% instead.

 83, 8.504, 209.663

 83, 8.504, 209.663

 100, 8.504,
209.663

 73, 8.504, 209.663

 63, 8.504, 209.663

 53, 8.504, 209.663

 43, 8.504, 209.663

 33, 8.504, 209.663

 23, 8.504, 209.663

 13, 8.504, 209.663

 3, 8.504, 209.663

 0, 8.504, 209.663

83, 8.504, 209.663

83, 8.504, 209.663

81, 14.782,
209.622

85, 1.803, 210.006

79, 20.528,
209.739

87, 5.224, 29.746

77, 25.627,
210.018

90, 12.492, 30.047

76, 29.972,
210.494

91, 13.199, 34.931

75, 33.470,
211.207

91, 12.739, 41.152

73, 36.064,
212.199

92, 12.441, 47.750

72, 37.748,
213.518

92, 12.318, 54.568

71, 38.582,
215.202

93, 12.373, 61.415

94, 12.604, 68.094

■ 71, 38.809,
216.650

Harmonies

Complementary

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



83, 8.504, 209.663



79, 9.239, 29.958

Rectangle

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



83, 8.504, 209.663



83, 8.504, 259.663



83, 8.504, 29.663



83, 8.504, 79.663

Sweetspot

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



83, 8.505, 209.651



99, 3.179, 209.872



83, 16.275, 146.499



53, 2.255, 209.829



0, 0.000, 0.000



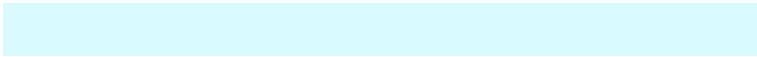
53, 0.007, 296.813

Same Dimension

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



83, 8.505, 209.651



96, 11.572, 209.629



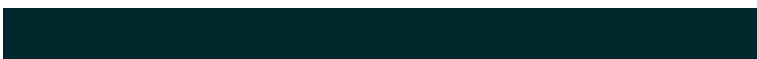
80, 9.349, 267.178



44, 3.862, 209.695



57, 32.822, 216.296



13, 13.069, 212.247

Inverse Universe

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



79, 16.181, 328.324



91, 22.205, 328.477



82, 9.464, 83.785



42, 7.272, 328.130



39, 78.509, 333.177



6, 30.383, 332.007

Previews

White Background



This preview shows how the CIELCh color 83, 8.504, 209.663 looks on a white background.

Color Contrast Check

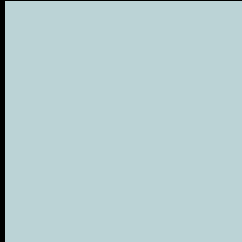
Large Text (above 18pt) WCAG AA × Fail

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, 8.504, 209.663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

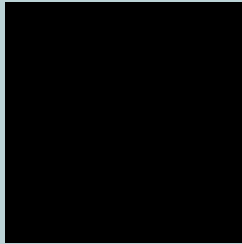
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

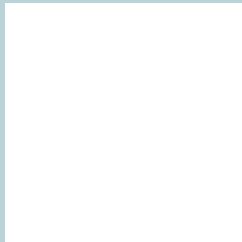
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 8.504, 209.663

Background



This preview shows how black text looks on a background with the CIELCh color 83, 8.504, 209.663.

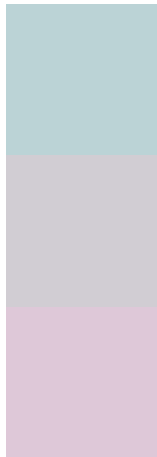


This preview shows how white text looks on a background with the CIELCh color 83, 8.504, 209.663.

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, 8.504, 209.663

Protanopia

83, 3.510, 314.735

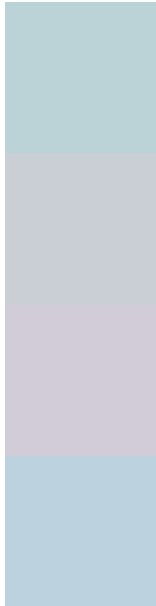
Deuteranopia

83, 11.662, 333.837



Tritanopia
83, 11.144, 253.123

Trichromacy



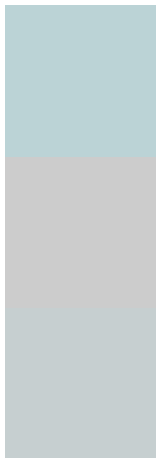
Original Color
83, 8.504, 209.663

Protanomaly
83, 3.378, 251.080

Deuteranomaly
83, 6.121, 307.682

Tritanomaly
83, 9.751, 239.757

Monochromacy



Original Color
83, 8.504, 209.663

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 3.262, 208.689

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 8.504, 209.663 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, 211, 214)` looks like.

```
.text, #text, p{  
    color:rgb(187, 211, 214)  
}
```

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, 211, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 211, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 8.504, 209.663 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, 211, 214) }
```

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

```
.border{ border-color:rgb(187, 211, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 211, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 211, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 211, 214);  
box-shadow:4px 4px 4px 4px rgb(187, 211,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 8.504, 209.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 211, 214) }
```

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

```
.background{ background-color: rgb(187,  
211, 214) }
```

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