

Converting Colors

CIELCh(83, 13.555, 186.254)

Have a look what the booklet for
CIELCh(83, 13.555, 186.254)
contains.

CIELCh(83, 13.234, 186.921)	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, 13.234, 186.921)

Conversions

Conversions Part 1

Format	Color
Hex	B1D6D1
RGB	177, 214, 209
RGB Percent	69%, 84%, 82%
CMY	0.3052, 0.1601, 0.1797
CMYK	0.17, 0.00, 0.02, 0.16
HSL	172°, 31%, 77%
HSV	172°, 17%, 84%
XYZ	53.7932, 62.1629, 69.5997
YIQ	202.3670, -20.4470, -9.3990

Conversions

Conversions Part 2

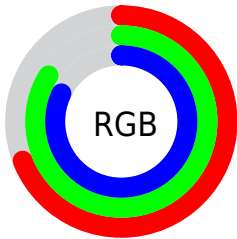
Format	Color
RYB	177, 197, 214
Decimal	11654865
CIELab	83.00, -13.14, -1.59
CIElCh	83, 13.234, 186.921
Yxy	62.1629, 0.2899, 0.3350
Android (android.graphics.Color)	4289844945 (0xFFB1D6D1)
YUV	202.3670, 3.2701, -22.2469
Hunter-Lab	78.8435, -16.1893, 2.8517

Details

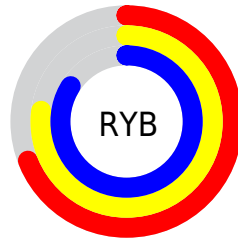
The CIELCh color **83, 13.234, 186.921** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **76, 14.382, 9.911**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 7.521, 199.018**, and **63, 12.991, 188.298** is the 20% darker color. If you saturate the color by 10%, you get **82, 20.393, 186.034**, and if you desaturate by 10%, it is **84, 5.678, 187.810**.

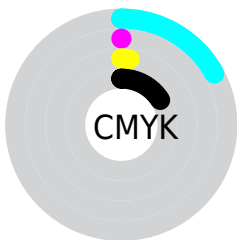
Distribution



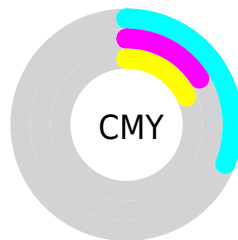
- Red (69%)
- Green (84%)
- Blue (82%)



- Red (69%)
- Yellow (77%)
- Blue (84%)



- Cyan (17%)
- Magenta (0%)
- Yellow (2%)
- Black (16%)





- Cyan (31%)
- Magenta (16%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 13.234, 186.921 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, 13.234, 186.921 by changing the saturation by 10% instead.


 83, 13.234,
186.921


 83, 13.234,
186.921


 100, 13.234,
186.921


 73, 13.234,
186.921

 63, 13.234,
186.921

 53, 13.234,
186.921

 43, 13.234,
186.921

 33, 13.234,
186.921

 23, 13.234,
186.921

 13, 13.234,

186.921

■ 3, 13.234, 186.921

■ 0, 13.234, 186.921

■ 83, 13.234,
186.921

■ 83, 13.234,
186.921

■ 82, 20.393,
186.034

■ 84, 5.678, 187.810

■ 81, 27.022,
185.127

■ 86, 2.158, 8.272

■ 88, 10.171, 9.273

■ 80, 32.991,
184.177

■ 89, 15.384, 7.770

■ 79, 38.177,
183.169

■ 89, 15.716, 2.408

■ 78, 42.487,

■ 89, 16.185,
357.319

182.085

89, 16.779,
352.561

78, 45.868,
180.904

90, 17.486,
348.167

77, 48.329,
179.604

90, 18.292,
344.148

77, 49.974,
178.178

77, 50.359,
177.785

Harmonies

Complementary

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



83, 13.234, 186.921



76, 14.382, 9.911

Rectangle

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



83, 13.234, 186.921



83, 13.234, 236.921



83, 13.234, 6.921



83, 13.234, 56.921

Sweetspot

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



83, 13.235, 186.915



99, 4.509, 188.037



83, 22.814, 139.403



53, 3.073, 187.961



0, 0.000, 0.000



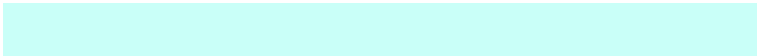
53, 0.007, 296.813

Same Dimension

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



83, 13.235, 186.915



96, 18.369, 186.571



80, 10.636, 239.606



44, 4.413, 187.610



63, 42.445, 178.032



15, 16.172, 181.017

Inverse Universe

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



76, 14.382, 9.911



86, 20.370, 10.370



79, 11.598, 56.273



42, 4.614, 9.071



35, 71.621, 33.568



5, 21.985, 13.739

Previews

White Background



This preview shows how the CIELCh color 83, 13.234, 186.921 looks on a white background.

Color Contrast Check

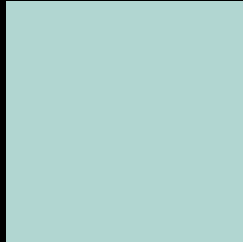
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 83, 13.234, 186.921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

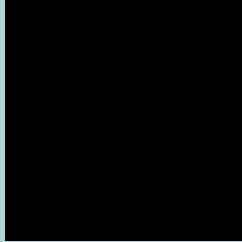
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

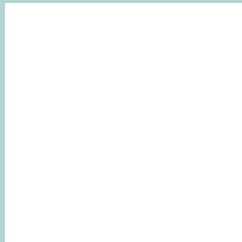
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 13.234, 186.921

Background



This preview shows how black text looks on a background with the CIELCh color 83, 13.234, 186.921.

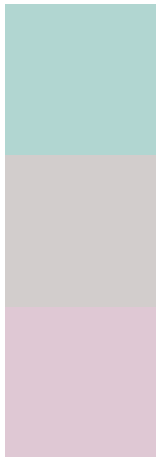


This preview shows how white text looks on a background with the CIELCh color 83, 13.234, 186.921.

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, 13.234, 186.921

Protanopia
83, 1.898, 35.369

Deuteranopia
83, 10.547, 343.308



Tritanopia
83, 13.308, 241.575

Trichromacy



Original Color
83, 13.234, 186.921

Protanomaly
83, 3.766, 182.966

Deuteranomaly
83, 3.207, 296.911

Tritanomaly
83, 11.787, 222.653

Monochromacy



Original Color
83, 13.234, 186.921

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 4.804, 186.416

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 13.234, 186.921 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(177, 214, 209)` looks like.

```
.text, #text, p{  
    color:rgb(177, 214, 209)  
}
```

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(177, 214, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 214, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 13.234, 186.921 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(177, 214, 209) }
```

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

```
.border{ border-color:rgb(177, 214, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 214, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 214, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 214, 209);  
box-shadow:4px 4px 4px 4px rgb(177, 214,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 13.234, 186.921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 214, 209) }
```

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

```
.background{ background-color: rgb(177,  
214, 209) }
```

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