

Converting Colors

CIELCh(83, 13.867, 218.821)

Have a look what the booklet for
CIELCh(83, 13.867, 218.821)
contains.

CIELCh(83, 13.861, 218.759)	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, 13.861, 218.759)

Conversions

Conversions Part 1

Format	Color
Hex	AED5DE
RGB	174, 213, 222
RGB Percent	68%, 84%, 87%
CMY	0.3159, 0.1629, 0.1276
CMYK	0.22, 0.04, 0.00, 0.13
HSL	191°, 42%, 78%
HSV	191°, 22%, 87%
XYZ	54.7071, 62.1629, 78.5416
YIQ	202.3650, -26.1330, -5.4690

Conversions

Conversions Part 2

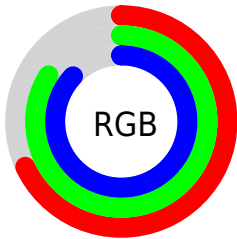
Format	Color
RYB	174, 196, 222
Decimal	11458014
CIELab	83.00, -10.81, -8.68
CIELCh	83, 13.861, 218.759
Yxy	62.1629, 0.2800, 0.3181
Android (android.graphics.Color)	4289648094 (0xFFAED5DE)
YUV	202.3650, 9.6801, -24.8761
Hunter-Lab	78.8435, -14.1203, -3.8725

Details

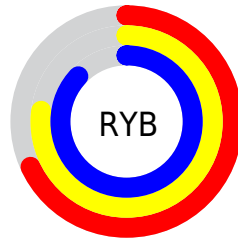
The CIELCh color **83, 13.861, 218.759** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **78, 16.026, 37.855**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 8.521, 198.944**, and **63, 13.697, 220.099** is the 20% darker color. If you saturate the color by 10%, you get **81, 19.575, 219.329**, and if you desaturate by 10%, it is **86, 7.661, 218.387**.

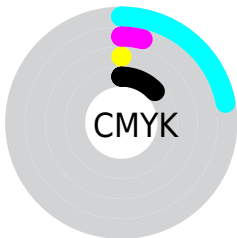
Distribution



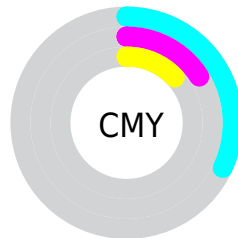
- Red (68%)
- Green (84%)
- Blue (87%)



- Red (68%)
- Yellow (77%)
- Blue (87%)



- Cyan (22%)
- Magenta (4%)
- Yellow (0%)
- Black (13%)





- Cyan (32%)
- Magenta (16%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 13.861, 218.759 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, 13.861, 218.759 by changing the saturation by 10% instead.


 83, 13.861,
218.759


 83, 13.861,
218.759


 100, 13.861,
218.759


 73, 13.861,
218.759

 63, 13.861,
218.759

 53, 13.861,
218.759

 43, 13.861,
218.759

 33, 13.861,
218.759

 23, 13.861,
218.759

 13, 13.861,

218.759

■ 3, 13.861, 218.759

■ 0, 13.861, 218.759

■ 83, 13.861,
218.759

■ 83, 13.861,
218.759

■ 81, 19.575,
219.329

■ 86, 7.661, 218.387

■ 78, 24.698,
220.152

■ 88, 1.074, 218.608

■ 76, 29.128,
221.279

■ 91, 5.812, 37.819

■ 74, 32.778,
222.780

■ 93, 9.950, 43.217

■ 72, 35.596,

■ 94, 9.728, 58.295

■ 95, 10.190, 72.970

224.735

96, 11.245, 85.581

71, 37.584,
227.224

97, 12.742, 95.586

69, 38.818,
230.314

98, 14.541,
103.261

68, 39.458,
233.321

Harmonies

Complementary

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



83, 13.861, 218.759



78, 16.026, 37.855

Rectangle

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



83, 13.861, 218.759



83, 13.861, 268.759



83, 13.861, 38.759



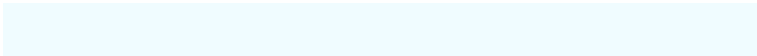
83, 13.861, 88.759

Sweetspot

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



83, 13.861, 218.752



98, 4.497, 218.300



84, 27.150, 148.435



52, 2.978, 218.302



0, 0.000, 0.000



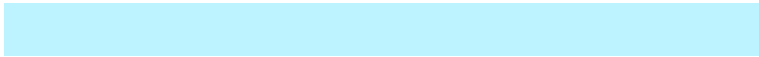
53, 0.007, 296.813

Same Dimension

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



83, 13.861, 218.752



93, 18.365, 218.991



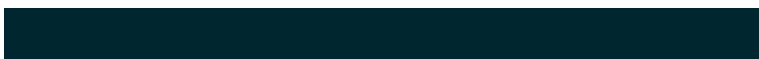
77, 18.214, 275.534



46, 3.804, 218.339



55, 33.085, 232.680



14, 13.543, 226.047

Inverse Universe

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



77, 27.169, 331.440



84, 36.568, 331.745



84, 18.223, 89.703



44, 7.160, 330.648



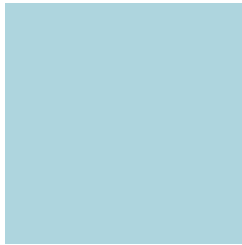
40, 75.661, 337.363



7, 31.646, 335.605

Previews

White Background



This preview shows how the CIE LCh color 83, 13.861, 218.759 looks on a white background.

Color Contrast Check

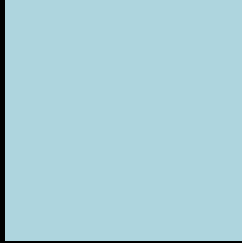
Large Text (above 18pt) WCAG AA × Fail

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, 13.861, 218.759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

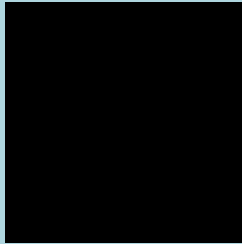
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

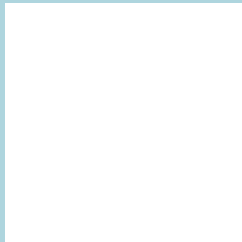
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 13.861, 218.759

Background



This preview shows how black text looks on a background with the CIELCh color 83, 13.861, 218.759.

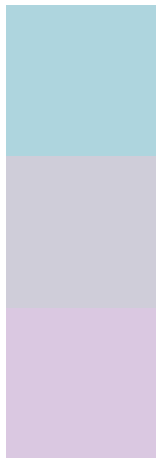


This preview shows how white text looks on a background with the CIELCh color 83, 13.861, 218.759.

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](#).

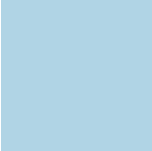
Dichromacy



Original Color
83, 13.861, 218.759

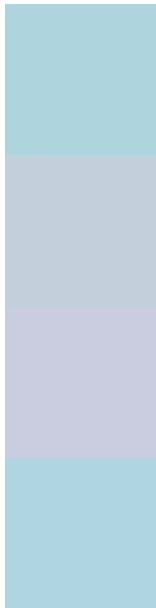
Protanopia
83, 6.405, 297.113

Deuteranopia
83, 14.767, 316.819



Tritanopia
83, 14.755, 236.476

Trichromacy



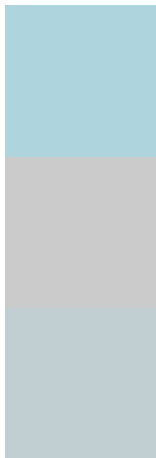
Original Color
83, 13.861, 218.759

Protanomaly
83, 7.302, 252.216

Deuteranomaly
83, 10.094, 285.110

Tritanomaly
83, 14.495, 229.519

Monochromacy



Original Color
83, 13.861, 218.759

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 5.190, 217.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 13.861, 218.759 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(174, 213, 222)` looks like.

```
.text, #text, p{  
    color:rgb(174, 213, 222)  
}
```

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(174, 213, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 213, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 13.861, 218.759 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(174, 213, 222) }
```

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

```
.border{ border-color:rgb(174, 213, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 213, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 213, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 213, 222);  
box-shadow:4px 4px 4px 4px rgb(174, 213,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 13.861, 218.759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 213, 222) }
```

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

```
.background{ background-color: rgb(174,  
213, 222) }
```

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