

Converting Colors

CIELCh(83, 12.661, 168.546)

Have a look what the booklet for
CIELCh(83, 12.661, 168.546)
contains.

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Color

CIELCh(83, 12.844, 168.921)

Conversions

Conversions Part 1

Format	Color
Hex	B7D6CA
RGB	183, 214, 202
RGB Percent	72%, 84%, 79%
CMY	0.2838, 0.1623, 0.2093
CMYK	0.15, 0.00, 0.06, 0.16
HSL	157°, 27%, 78%
HSV	157°, 15%, 84%
XYZ	54.0015, 62.1629, 64.7910
YIQ	203.3630, -14.6240, -10.3040

Conversions

Conversions Part 2

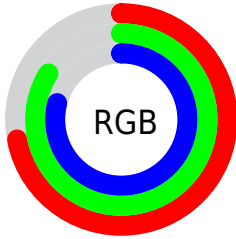
Format	Color
R _{YB}	183, 202, 214
Decimal	12048074
CIE Lab	83.00, -12.60, 2.47
CIE LCh	83, 12.844, 168.921
Yxy	62.1629, 0.2984, 0.3435
Android (android.graphics.Color)	4290238154 (0xFFB7D6CA)
YUV	203.3630, -0.6720, -17.8584
Hunter-Lab	78.8435, -15.7179, 6.4678

Details

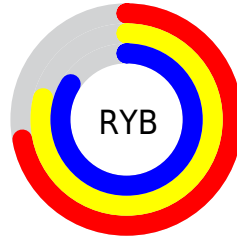
The CIELCh color **83, 12.844, 168.921** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **77, 13.236, 351.549**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 5.502, 199.177**, and **63, 12.603, 169.065** is the 20% darker color. If you saturate the color by 10%, you get **81, 21.535, 167.882**, and if you desaturate by 10%, it is **85, 4.002, 169.932**.

Distribution



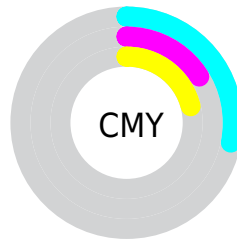
- Red (72%)
- Green (84%)
- Blue (79%)



- Red (72%)
- Yellow (79%)
- Blue (84%)



- Cyan (15%)
- Magenta (0%)
- Yellow (6%)
- Black (16%)





- Cyan (28%)
- Magenta (16%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 12.844, 168.921 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, 12.844, 168.921 by changing the saturation by 10% instead.


 83, 12.844,
168.921


 83, 12.844,
168.921


 100, 12.844,
168.921


 73, 12.844,
168.921

 63, 12.844,
168.921

 53, 12.844,
168.921

 43, 12.844,
168.921

 33, 12.844,
168.921

 23, 12.844,
168.921

 13, 12.844,

168.921

■ 3, 12.844, 168.921

■ 0, 12.844, 168.921

■ 83, 12.844,
168.921

■ 83, 12.844,
168.921

■ 81, 21.535,
167.882

■ 85, 4.002, 169.932

■ 80, 29.938,
166.751

■ 87, 4.887, 350.581

■ 89, 13.734,
351.446

■ 79, 37.911,
165.499

■ 89, 18.470,
344.530

■ 78, 45.304,
164.098

■ 90, 21.186,
335.029

■ 77, 51.981,

162.524

90, 24.372,
327.932

77, 57.838,
160.755

90, 25.931,
325.328

76, 62.832,
158.774

76, 66.997,
156.588

76, 69.052,
155.357

Harmonies

Complementary

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



83, 12.844, 168.921



77, 13.236, 351.549

Rectangle

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



83, 12.844, 168.921



83, 12.844, 218.921



83, 12.844, 348.921



83, 12.844, 38.921

Sweetspot

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



83, 12.846, 168.917



99, 4.099, 169.988



83, 17.745, 131.866



53, 2.913, 169.899



0, 0.000, 0.000



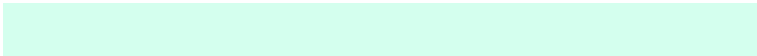
53, 0.007, 296.813

Same Dimension

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



83, 12.846, 168.917



97, 17.350, 168.649



82, 9.803, 208.446



44, 5.046, 169.422



62, 58.055, 155.741



15, 20.902, 160.708

Inverse Universe

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



77, 13.236, 351.549



89, 17.976, 351.834



78, 10.793, 28.982



42, 5.148, 351.022



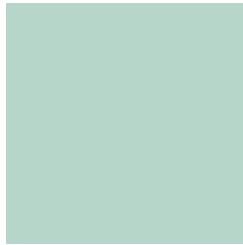
36, 62.934, 12.578



5, 22.656, 1.434

Previews

White Background



This preview shows how the CIELCh color 83, 12.844, 168.921 looks on a white background.

Color Contrast Check

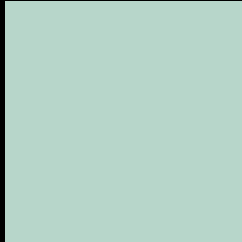
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 83, 12.844, 168.921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

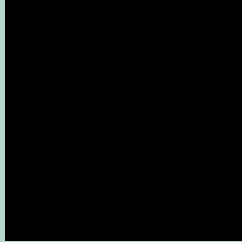
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

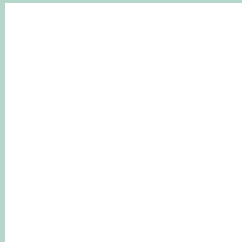
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 12.844, 168.921

Background



This preview shows how black text looks on a background with the CIELCh color 83, 12.844, 168.921.

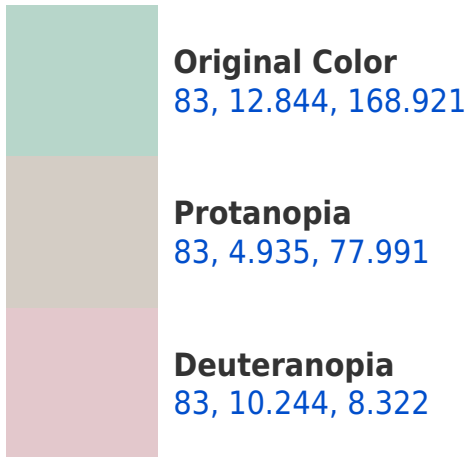


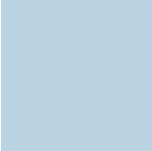
This preview shows how white text looks on a background with the CIELCh color 83, 12.844, 168.921.

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





Tritanopia
83, 11.746, 249.182

Trichromacy



Original Color
83, 12.844, 168.921

Protanomaly
83, 5.417, 137.993

Deuteranomaly
83, 2.430, 45.026

Tritanomaly
83, 9.635, 221.537

Monochromacy



Original Color
83, 12.844, 168.921

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 4.811, 165.814

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 12.844, 168.921 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(183, 214, 202)` looks like.

```
.text, #text, p{  
    color:rgb(183, 214, 202)  
}
```

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(183, 214, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 214, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 12.844, 168.921 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(183, 214, 202) }
```

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

```
.border{ border-color:rgb(183, 214, 202) }
```

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

Here you see how a box with a 4 pixel rgb(183, 214, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 214, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 214, 202);  
box-shadow:4px 4px 4px 4px rgb(183, 214,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 12.844, 168.921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 214, 202) }
```

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

```
.background{ background-color: rgb(183,  
214, 202) }
```

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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