

Converting Colors

CIELCh(84, 16.258, 164.000)

Have a look what the booklet for
CIELCh(84, 16.258, 164.000)
contains.

CIELCh(84, 16.069, 164.405)	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(84, 16.069, 164.405)

Conversions

Conversions Part 1

Format	Color
Hex	B5DAC9
RGB	181, 218, 201
RGB Percent	71%, 85%, 79%
CMY	0.2909, 0.1458, 0.2124
CMYK	0.17, 0.00, 0.08, 0.15
HSL	152°, 33%, 78%
HSV	152°, 17%, 85%
XYZ	54.5658, 64.0658, 64.6436
YIQ	204.9990, -16.5950, -13.1310

Conversions

Conversions Part 2

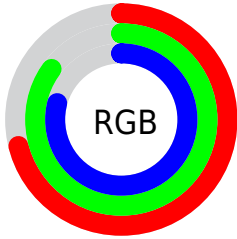
Format	Color
RYB	181, 205, 218
Decimal	11918025
CIELab	84.00, -15.48, 4.32
CIELCh	84, 16.069, 164.405
Yxy	64.0658, 0.2977, 0.3496
Android (android.graphics.Color)	4290108105 (0xFFB5DAC9)
YUV	204.9990, -1.9715, -21.0471
Hunter-Lab	80.0411, -18.3845, 8.1444

Details

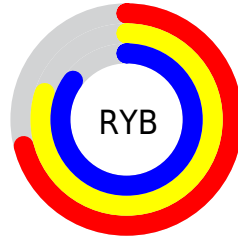
The CIELCh color **84, 16.069, 164.405** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **77, 16.491, 347.404**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 6.178, 199.121**, and **64, 15.988, 164.126** is the 20% darker color. If you saturate the color by 10%, you get **82, 25.384, 163.370**, and if you desaturate by 10%, it is **86, 6.617, 165.365**.

Distribution



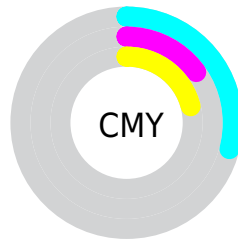
- Red (71%)
- Green (85%)
- Blue (79%)



- Red (71%)
- Yellow (80%)
- Blue (85%)



- Cyan (17%)
- Magenta (0%)
- Yellow (8%)
- Black (15%)





- Cyan (29%)
- Magenta (15%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 16.069, 164.405 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 84, 16.069, 164.405 by changing the saturation by 10% instead.

 84, 16.069,
164.405


 84, 16.069,
164.405


 100, 16.069,
164.405


 74, 16.069,
164.405

 64, 16.069,
164.405

 54, 16.069,
164.405

 44, 16.069,
164.405

 34, 16.069,
164.405

 24, 16.069,
164.405

 14, 16.069,

164.405

■ 4, 16.069, 164.405

■ 0, 16.069, 164.405

■ 84, 16.069,
164.405

■ 84, 16.069,
164.405

■ 82, 25.384,
163.370

■ 86, 6.617, 165.365

■ 81, 34.415,
162.224

■ 88, 2.860, 345.981

■ 90, 12.267,
346.872

■ 80, 43.007,
160.939

■ 91, 17.850,
338.810

■ 79, 51.001,
159.487

■ 91, 21.574,
328.450

■ 78, 58.249,

157.845

91, 23.275,
325.235

78, 64.648,
155.993

77, 70.154,
153.927

77, 74.825,
151.674

77, 76.147,
151.003

Harmonies

Complementary

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



84, 16.069, 164.405



77, 16.491, 347.404

Rectangle

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



84, 16.069, 164.405



84, 16.069, 214.405



84, 16.069, 344.405



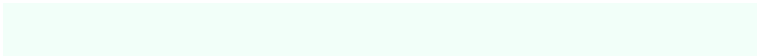
84, 16.069, 34.405

Sweetspot

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



84, 16.071, 164.402



99, 5.379, 165.560



85, 20.753, 129.476



53, 3.671, 165.487



0, 0.000, 0.000



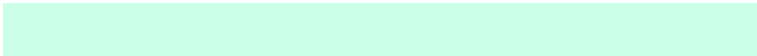
53, 0.007, 296.813

Same Dimension

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



84, 16.071, 164.402



96, 21.474, 164.083



84, 12.310, 201.626



45, 5.408, 165.129



62, 63.738, 151.391



16, 23.399, 156.152

Inverse Universe

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



77, 16.491, 347.404



87, 22.140, 347.731



77, 13.771, 23.228



43, 5.490, 346.664



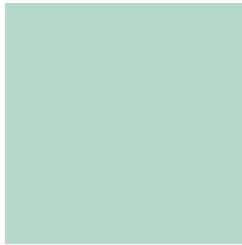
37, 63.235, 5.650



6, 24.701, 357.329

Previews

White Background



This preview shows how the CIELCh color 84, 16.069, 164.405 looks on a white background.

Color Contrast Check

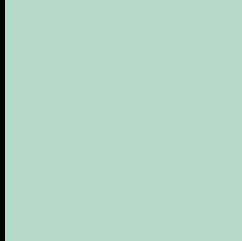
Large Text (above 18pt) WCAG AA × Fail

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 84, 16.069, 164.405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

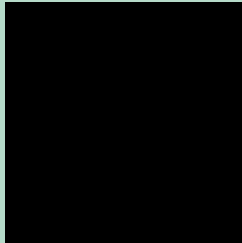
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

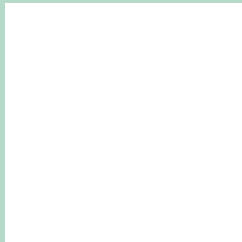
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 16.069, 164.405

Background



This preview shows how black text looks on a background with the CIELCh color 84, 16.069, 164.405.

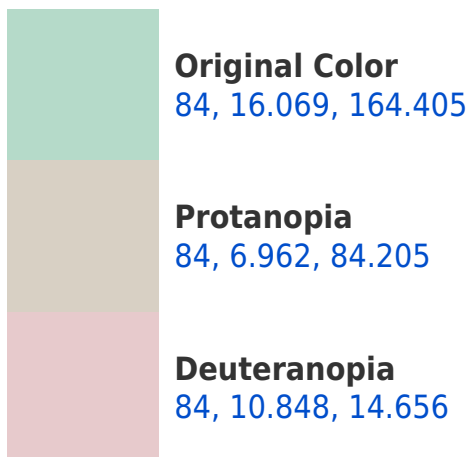


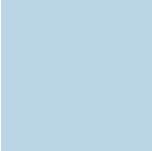
This preview shows how white text looks on a background with the CIELCh color 84, 16.069, 164.405.

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
84, 12.596, 244.560

Trichromacy



Original Color
84, 16.069, 164.405

Protanomaly
84, 8.096, 133.644

Deuteranomaly
84, 3.190, 74.732

Tritanomaly
84, 10.840, 209.987

Monochromacy



Original Color
84, 16.069, 164.405

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 6.308, 163.168

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 16.069, 164.405 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(181, 218, 201)` looks like.

```
.text, #text, p{  
    color:rgb(181, 218, 201)  
}
```

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(181, 218, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 218, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 16.069, 164.405 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(181, 218, 201) }
```

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

```
.border{ border-color:rgb(181, 218, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 218, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 218, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 218, 201);  
box-shadow:4px 4px 4px 4px rgb(181, 218,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 16.069, 164.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 218, 201) }
```

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

```
.background{ background-color: rgb(181,  
218, 201) }
```

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