

Converting Colors

CIELCh(87, 16.268, 189.223)

Have a look what the booklet for
CIELCh(87, 16.268, 189.223)
contains.

CIELCh(87, 16.309, 189.032)	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(87, 16.309, 189.032)

Conversions

Conversions Part 1

Format	Color
Hex	B4E3DE
RGB	180, 227, 222
RGB Percent	71%, 89%, 87%
CMY	0.2936, 0.1093, 0.1289
CMYK	0.21, 0.00, 0.02, 0.11
HSL	174°, 46%, 80%
HSV	174°, 21%, 89%
XYZ	59.5566, 70.0064, 79.5697
YIQ	212.3770, -26.4070, -11.5190

Conversions

Conversions Part 2

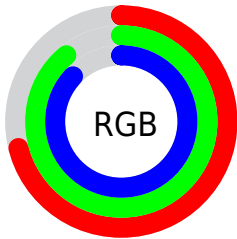
Format	Color
RYB	180, 205, 227
Decimal	11854814
CIELab	87.00, -16.11, -2.56
CIELCh	87, 16.309, 189.032
Yxy	70.0064, 0.2848, 0.3347
Android (android.graphics.Color)	4290044894 (0xFFB4E3DE)
YUV	212.3770, 4.7441, -28.3946
Hunter-Lab	83.6698, -19.3651, 2.1843

Details

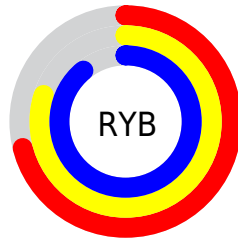
The CIELCh color **87, 16.309, 189.032** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **78, 18.186, 12.558**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 6.515, 199.095**, and **67, 16.574, 188.377** is the 20% darker color. If you saturate the color by 10%, you get **86, 23.505, 188.204**, and if you desaturate by 10%, it is **88, 8.621, 189.855**.

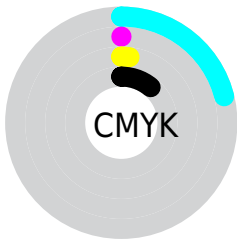
Distribution



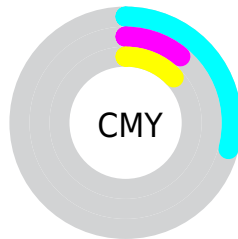
- Red (71%)
- Green (89%)
- Blue (87%)



- Red (71%)
- Yellow (80%)
- Blue (89%)



- Cyan (21%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)





- Cyan (29%)
- Magenta (11%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 16.309, 189.032 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 87, 16.309, 189.032 by changing the saturation by 10% instead.


 87, 16.309,
189.032


 87, 16.309,
189.032


 100, 16.309,
189.032


 77, 16.309,
189.032

 67, 16.309,
189.032

 57, 16.309,
189.032

 47, 16.309,
189.032

 37, 16.309,
189.032

 27, 16.309,
189.032

 17, 16.309,

189.032

■ 7, 16.309, 189.032

■ 0, 16.309, 189.032

■ 87, 16.309,
189.032

■ 87, 16.309,
189.032

■ 86, 23.505,
188.204

■ 88, 8.621, 189.855

■ 85, 30.069,
187.365

■ 90, 0.568, 191.606

■ 92, 7.732, 11.266

■ 84, 35.865,
186.497

■ 93, 10.370, 6.726

■ 83, 40.779,
185.586

■ 93, 10.696, 0.220

■ 82, 44.728,

■ 93, 11.156,
354.181

184.616

93, 11.732,
348.686

82, 47.684,
183.567

93, 12.409,
343.757

82, 49.690,
182.421

93, 13.172,
339.379

81, 50.887,
181.275

Harmonies

Complementary

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



87, 16.309, 189.032



78, 18.186, 12.558

Rectangle

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



87, 16.309, 189.032



87, 16.309, 239.032



87, 16.309, 9.032



87, 16.309, 59.032

Sweetspot

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



87, 16.310, 189.027



99, 5.357, 190.273



86, 28.993, 140.104



53, 3.549, 190.210



0, 0.000, 0.000



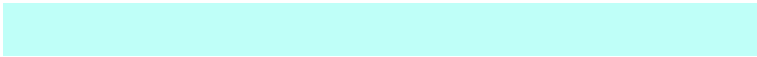
53, 0.007, 296.813

Same Dimension

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



87, 16.310, 189.027



96, 21.383, 188.661



82, 13.434, 244.394



47, 4.627, 189.961



65, 42.415, 181.487



18, 17.477, 183.587

Inverse Universe

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



78, 18.186, 12.558



83, 24.462, 13.105



82, 14.781, 59.853



45, 4.855, 11.357



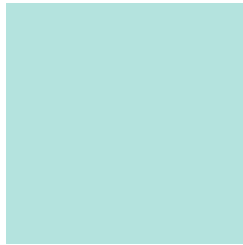
37, 75.483, 35.391



6, 26.806, 17.347

Previews

White Background



This preview shows how the CIE LCh color 87, 16.309, 189.032 looks on a white background.

Color Contrast Check

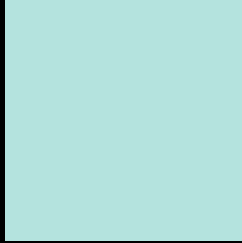
Large Text (above 18pt) WCAG AA × Fail

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 87, 16.309, 189.032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

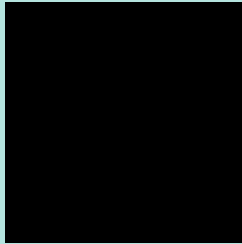
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

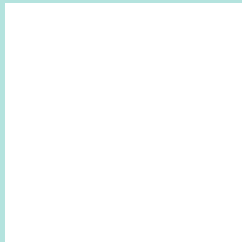
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 16.309, 189.032

Background



This preview shows how black text looks on a background with the CIELCh color 87, 16.309, 189.032.



This preview shows how white text looks on a background with the CIELCh color 87, 16.309, 189.032.

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



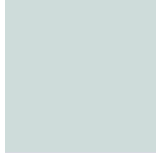


Tritanopia
87, 15.920, 235.187

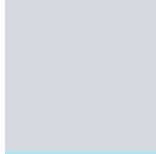
Trichromacy



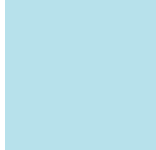
Original Color
87, 16.309, 189.032



Protanomaly
87, 5.094, 187.284



Deuteranomaly
87, 4.244, 280.955

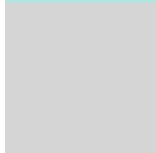


Tritanomaly
87, 14.791, 219.394

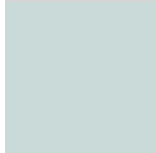
Monochromacy



Original Color
87, 16.309, 189.032



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 6.133, 189.190

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 16.309, 189.032 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(180, 227, 222)` looks like.

```
.text, #text, p{  
    color:rgb(180, 227, 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(180, 227, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 227, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 16.309, 189.032 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(180, 227, 222) }
```

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

```
.border{ border-color:rgb(180, 227, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 227, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 227, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 227, 222);  
box-shadow:4px 4px 4px 4px rgb(180, 227,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 16.309, 189.032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 227, 222) }
```

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

```
.background{ background-color: rgb(180,  
227, 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