

Converting Colors

CIELCh(87, 18.254, 170.684)

Have a look what the booklet for
CIELCh(87, 18.254, 170.684)
contains.

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Color

CIELCh(87, 18.252, 170.830)

Conversions

Conversions Part 1	
Format	Color
Hex	B6E4D4
RGB	182, 228, 212
RGB Percent	71%, 89%, 83%
CMY	0.2872, 0.1068, 0.1696
CMYK	0.20, 0.00, 0.07, 0.11
HSL	159°, 46%, 80%
HSV	159°, 20%, 89%
XYZ	58.7617, 70.0064, 72.5406
YIQ	212.4220, -22.2800, -14.7280

Conversions

Conversions Part 2

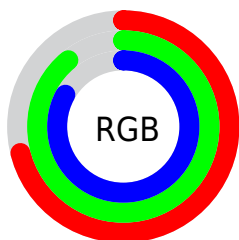
Format	Color
RYB	182, 210, 228
Decimal	11986132
CIELab	87.00, -18.02, 2.91
CIELCh	87, 18.252, 170.830
Yxy	70.0064, 0.2919, 0.3478
Android (android.graphics.Color)	4290176212 (0xFFB6E4D4)
YUV	212.4220, -0.2080, -26.6801
Hunter-Lab	83.6698, -21.0608, 7.1653

Details

The CIELCh color **87, 18.252, 170.830** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **78, 19.172, 354.746**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 5.840, 199.149**, and **67, 18.210, 170.756** is the 20% darker color. If you saturate the color by 10%, you get **86, 26.953, 169.734**, and if you desaturate by 10%, it is **89, 9.284, 171.848**.

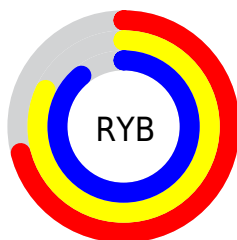
Distribution



Red (71%)

Green (89%)

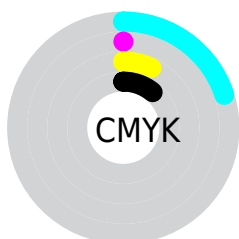
Blue (83%)



Red (71%)

Yellow (82%)

Blue (89%)

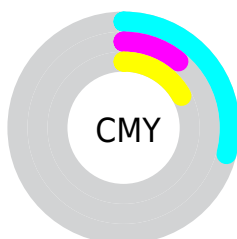


Cyan (20%)

Magenta (0%)

Yellow (7%)

Black (11%)



Cyan (29%)


Magenta (11%)


Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 18.252, 170.830 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, 18.252, 170.830 by changing the saturation by 10% instead.


 87, 18.252,
170.830


 87, 18.252,
170.830


 100, 18.252,
170.830


 77, 18.252,
170.830

 67, 18.252,
170.830

 57, 18.252,
170.830

 47, 18.252,
170.830

 37, 18.252,
170.830


 27, 18.252,
170.830


 17, 18.252,


170.830

 7, 18.252, 170.830


 0, 18.252, 170.830


 87, 18.252,
170.830

 87, 18.252,
170.830

 86, 26.953,
169.734


 89, 9.284, 171.848

 84, 35.234,
168.535


 90, 0.173, 175.652

 92, 8.973, 353.512

 83, 42.944,
167.207


 93, 12.648,
340.583


 82, 49.934,
165.723


 93, 15.538,
328.921


 82, 56.084,

164.057

 93, 17.031,
325.015

 81, 61.325,
162.190

 81, 65.665,
160.113

 80, 69.217,
157.931

Harmonies

Complementary

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



87, 18.252, 170.830



78, 19.172, 354.746

Rectangle

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



87, 18.252, 170.830



87, 18.252, 220.830



87, 18.252, 350.830



87, 18.252, 40.830

Sweetspot

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



87, 18.254, 170.827



99, 5.997, 172.276



87, 26.405, 133.232



53, 3.977, 172.206



0, 0.000, 0.000



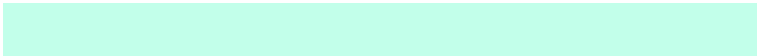
53, 0.007, 296.813

Same Dimension

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



87, 18.254, 170.827



96, 23.672, 170.405



86, 13.585, 214.123



47, 5.206, 171.922



64, 57.297, 158.323



18, 22.497, 162.374

Inverse Universe

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



78, 19.172, 354.746



84, 25.113, 355.221



80, 15.586, 34.031



45, 5.328, 353.564



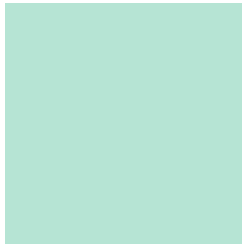
38, 65.746, 16.526



7, 26.736, 5.688

Previews

White Background



This preview shows how the CIELCh color 87, 18.252, 170.830 looks on a white background.

Color Contrast Check

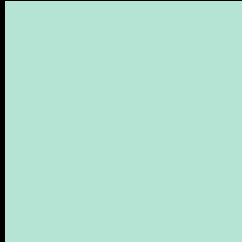
Large Text (above 18pt) WCAG AA × Fail

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, 18.252, 170.830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

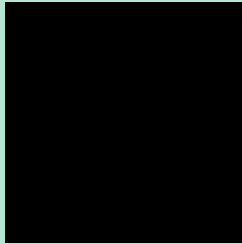
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

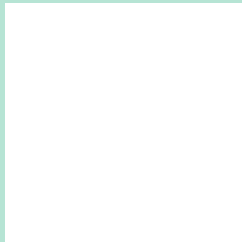
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 18.252, 170.830

Background



This preview shows how black text looks on a background with the CIELCh color 87, 18.252, 170.830.

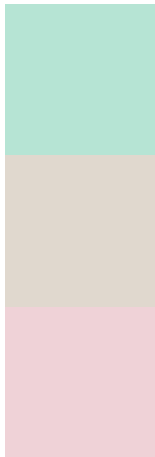


This preview shows how white text looks on a background with the CIELCh color 87, 18.252, 170.830.

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

87, 18.252, 170.830

Protanopia

87, 5.977, 80.116

Deuteranopia


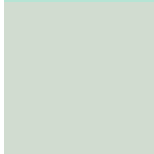
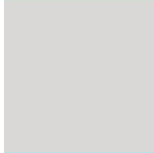
87, 10.975, 6.472



Tritanopia

87, 14.949, 238.074

Trichromacy

	Original Color 87, 18.252, 170.830
	Protanomaly 87, 7.467, 141.936
	Deuteranomaly 86, 1.258, 74.887
	Tritanomaly 87, 13.688, 209.629

Monochromacy

	Original Color 87, 18.252, 170.830
	Achromatopsia 85, 0.010, 296.813
	Achromatomaly 86, 6.882, 171.760

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 18.252, 170.830 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(182, 228, 212)` looks like.

```
.text, #text, p{  
    color:rgb(182, 228, 212)  
}
```

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(182, 228, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 228, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 18.252, 170.830 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(182, 228, 212) }
```

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

```
.border{ border-color:rgb(182, 228, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 228, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 228, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 228, 212);  
box-shadow:4px 4px 4px 4px rgb(182, 228,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 18.252, 170.830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 228, 212) }
```

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

```
.background{ background-color: rgb(182,  
228, 212) }
```

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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