

Converting Colors

CIELCh(87, 20.297, 165.234)

Have a look what the booklet for
CIELCh(87, 20.297, 165.234)
contains.

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Color

CIELCh(87, 20.297, 165.234)

Conversions

Conversions Part 1

Format	Color
Hex	B4E4CF
RGB	180, 228, 207
RGB Percent	71%, 89%, 81%
CMY	0.2925, 0.1042, 0.1866
CMYK	0.21, 0.00, 0.09, 0.10
HSL	154°, 47%, 80%
HSV	154°, 21%, 90%
XYZ	58.0987, 70.0064, 69.7559
YIQ	211.2540, -21.8670, -16.7070

Conversions

Conversions Part 2

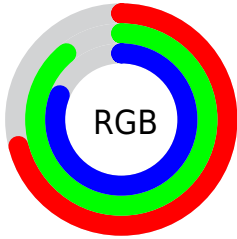
Format	Color
RYB	180, 211, 228
Decimal	11855055
CIELab	87.00, -19.63, 5.17
CIELCh	87, 20.297, 165.234
Yxy	70.0064, 0.2936, 0.3538
Android (android.graphics.Color)	4290045135 (0xFFB4E4CF)
YUV	211.2540, -2.0972, -27.4098
Hunter-Lab	83.6698, -22.4752, 9.1386

Details

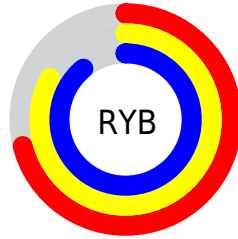
The CIELCh color **87, 20.297, 165.234** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **78, 21.026, 349.130**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 6.515, 199.095**, and **67, 20.048, 166.111** is the 20% darker color. If you saturate the color by 10%, you get **86, 29.696, 164.145**, and if you desaturate by 10%, it is **89, 10.683, 166.227**.

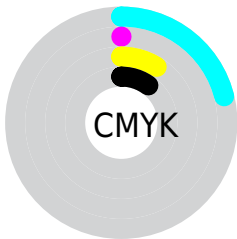
Distribution



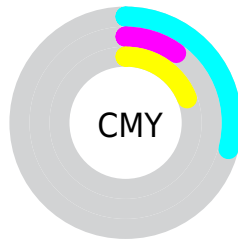
- Red (71%)
- Green (89%)
- Blue (81%)



- Red (71%)
- Yellow (83%)
- Blue (89%)



- Cyan (21%)
- Magenta (0%)
- Yellow (9%)
- Black (10%)





- Cyan (29%)
- Magenta (10%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 20.297, 165.234 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, 20.297, 165.234 by changing the saturation by 10% instead.


 87, 20.297,
165.234

 87, 20.297,
165.234


 100, 20.297,
165.234

 77, 20.297,
165.234

 67, 20.297,
165.234

 57, 20.297,
165.234

 47, 20.297,
165.234

 37, 20.297,
165.234


 27, 20.297,
165.234


 17, 20.297,


165.234


 7, 20.297, 165.234

 0, 20.297, 165.234

 87, 20.297,
165.234

 87, 20.297,
165.234

 86, 29.696,
164.145


 89, 10.683,
166.227


 84, 38.721,
162.936

 91, 0.982, 167.552

 83, 47.210,
161.578

 93, 8.696, 347.829

 82, 55.001,
160.046

 93, 13.595,
334.392

 81, 61.963,

 94, 16.600,
324.999

158.315

■ 81, 68.014,
156.371

■ 81, 73.152,
154.214

■ 80, 77.137,
152.165

Harmonies

Complementary

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



87, 20.297, 165.234



78, 21.026, 349.130

Rectangle

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



87, 20.297, 165.234



87, 20.297, 215.234



87, 20.297, 345.234



87, 20.297, 35.234

Sweetspot

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



87, 20.299, 165.232



99, 6.360, 166.715



88, 26.808, 129.858



53, 4.219, 166.649



0, 0.000, 0.000



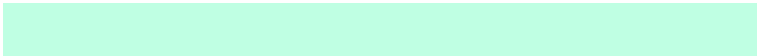
53, 0.007, 296.813

Same Dimension

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



87, 20.299, 165.232



95, 26.317, 164.796



87, 15.374, 203.120



47, 5.528, 166.378



64, 63.638, 152.571



18, 24.701, 156.779

Inverse Universe

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



78, 21.026, 349.130



84, 27.450, 349.591



78, 17.730, 24.926



45, 5.620, 347.946



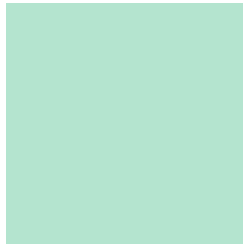
38, 64.616, 7.880



7, 27.110, 359.638

Previews

White Background



This preview shows how the CIELCh color 87, 20.297, 165.234 looks on a white background.

Color Contrast Check

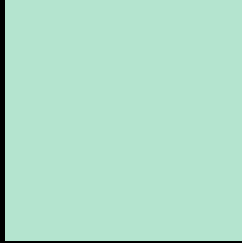
Large Text (above 18pt) WCAG AA × Fail

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 87, 20.297, 165.234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

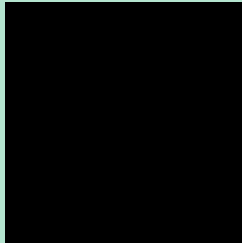
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

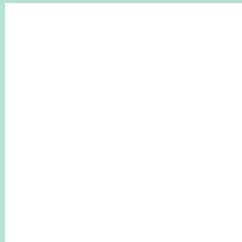
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 20.297, 165.234

Background



This preview shows how black text looks on a background with the CIELCh color 87, 20.297, 165.234.

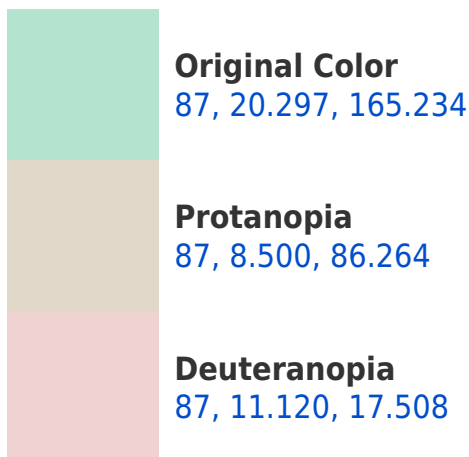


This preview shows how white text looks on a background with the CIELCh color 87, 20.297, 165.234.

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



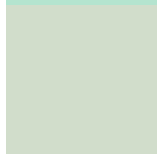


Tritanopia
87, 14.949, 238.074

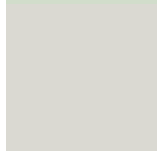
Trichromacy



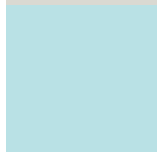
Original Color
87, 20.297, 165.234



Protanomaly
87, 10.404, 134.343



Deuteranomaly
87, 3.663, 104.140



Tritanomaly
87, 13.641, 207.415

Monochromacy



Original Color
87, 20.297, 165.234



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 7.450, 164.663

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 20.297, 165.234 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, 228, 207)` looks like.

```
.text, #text, p{  
    color:rgb(180, 228, 207)  
}
```

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, 228, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 228, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 20.297, 165.234 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, 228, 207) }
```

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

```
.border{ border-color:rgb(180, 228, 207) }
```

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

Here you see how a box with a 4 pixel rgb(180, 228, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 228, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 228, 207);  
box-shadow:4px 4px 4px 4px rgb(180, 228,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 20.297, 165.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 228, 207) }
```

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

```
.background{ background-color: rgb(180,  
228, 207) }
```

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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