

Converting Colors

CIELCh(87, 27.293, 158.515)

Have a look what the booklet for
CIELCh(87, 27.293, 158.515)
contains.

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Color

CIELCh(87, 27.249, 158.360)

Conversions

Conversions Part 1

Format	Color
Hex	ACE7C6
RGB	172, 231, 198
RGB Percent	67%, 91%, 78%
CMY	0.3254, 0.0941, 0.2235
CMYK	0.26, 0.00, 0.14, 0.09
HSL	146°, 55%, 79%
HSV	146°, 26%, 91%
XYZ	55.7881, 70.0064, 64.0039
YIQ	209.5970, -24.5710, -22.7710

Conversions

Conversions Part 2

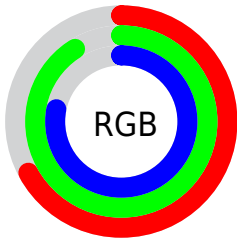
Format	Color
RYB	172, 213, 231
Decimal	11331526
CIELab	87.00, -25.33, 10.05
CIElCh	87, 27.249, 158.360
Yxy	70.0064, 0.2939, 0.3688
Android (android.graphics.Color)	4289521606 (0xFFACE7C6)
YUV	209.5970, -5.7173, -32.9726
Hunter-Lab	83.6698, -27.4047, 13.2145

Details

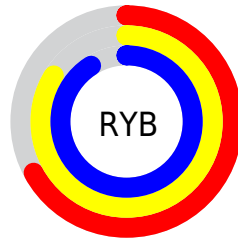
The CIELCh color **87, 27.249, 158.360** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77, 27.896, 342.753**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 9.184, 198.897**, and **67, 27.284, 158.419** is the 20% darker color. If you saturate the color by 10%, you get **86, 37.661, 157.271**, and if you desaturate by 10%, it is **89, 16.616, 159.326**.

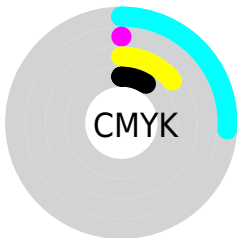
Distribution



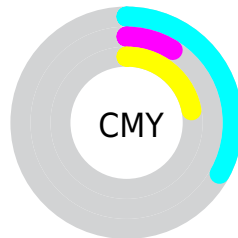
- Red (67%)
- Green (91%)
- Blue (78%)



- Red (67%)
- Yellow (84%)
- Blue (91%)



- Cyan (26%)
- Magenta (0%)
- Yellow (14%)
- Black (9%)




- Cyan (33%)
- Magenta (9%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 27.249, 158.360 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, 27.249, 158.360 by changing the saturation by 10% instead.

 87, 27.249,
158.360

 87, 27.249,
158.360


 100, 27.249,
158.360

 77, 27.249,
158.360

 67, 27.249,
158.360

 57, 27.249,
158.360

 47, 27.249,
158.360

 37, 27.249,
158.360


 27, 27.249,
158.360

 17, 27.249,


158.360


 7, 27.249, 158.360


 0, 27.249, 158.360

 87, 27.249,
158.360

 87, 27.249,
158.360

 86, 37.661,
157.271


 89, 16.616,
159.326

 84, 47.669,
156.035

 91, 5.909, 160.225


 83, 57.089,
154.626

 93, 4.747, 340.825

 82, 65.739,
153.021

 94, 12.847,
331.846

 82, 73.473,

 94, 14.983,
324.941

151.206

■ 81, 80.210,
149.183

■ 81, 85.954,
146.985

■ 81, 88.285,
146.007

Harmonies

Complementary

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



87, 27.249, 158.360



77, 27.896, 342.753

Rectangle

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



87, 27.249, 158.360



87, 27.249, 208.360



87, 27.249, 338.360



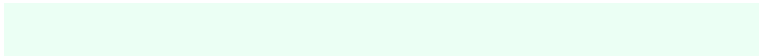
87, 27.249, 28.360

Sweetspot

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



87, 27.251, 158.359



98, 9.254, 159.998



89, 31.925, 125.458



52, 6.580, 159.864



0, 0.000, 0.000



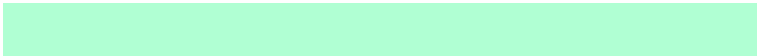
53, 0.007, 296.813

Same Dimension

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



87, 27.251, 158.359



94, 35.719, 157.763



88, 19.849, 192.105



47, 6.035, 159.873



64, 72.155, 146.416



18, 27.764, 150.595

Inverse Universe

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



77, 27.896, 342.753



80, 36.728, 343.318



76, 23.073, 16.247



45, 6.095, 341.293



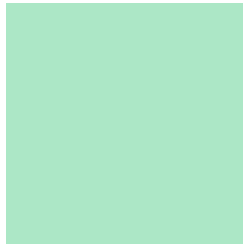
39, 65.839, 356.388



7, 28.290, 350.582

Previews

White Background



This preview shows how the CIELCh color 87, 27.249, 158.360 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, 27.249, 158.360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

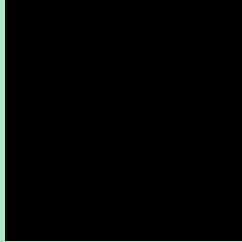
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

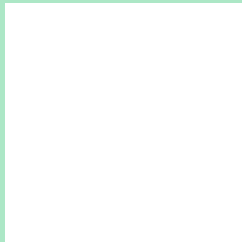
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 27.249, 158.360

Background



This preview shows how black text looks on a background with the CIELCh color 87, 27.249, 158.360.

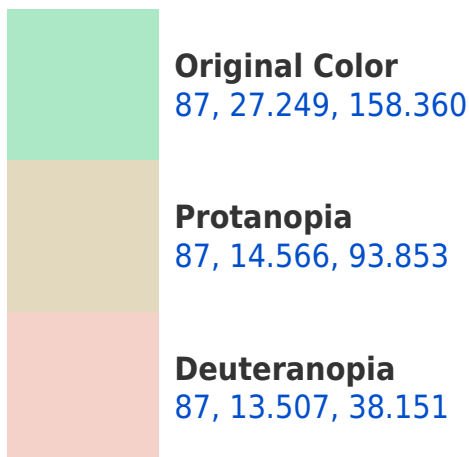


This preview shows how white text looks on a background with the CIELCh color 87, 27.249, 158.360.

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



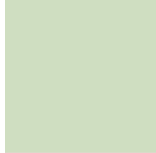


Tritanopia
87, 16.911, 232.662

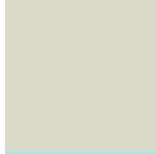
Trichromacy



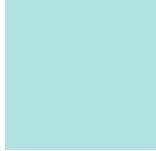
Original Color
87, 27.249, 158.360



Protanomaly
87, 16.138, 129.098

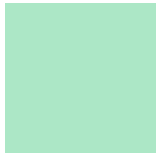


Deuteranomaly
87, 8.864, 109.422

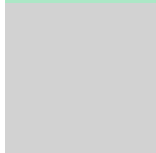


Tritanomaly
87, 16.492, 198.314

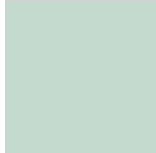
Monochromacy



Original Color
87, 27.249, 158.360



Achromatopsia
84, 0.010, 296.813



Achromatomaly
85, 10.182, 160.505

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 27.249, 158.360 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(172, 231, 198)` looks like.

```
.text, #text, p{  
    color:rgb(172, 231, 198)  
}
```

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(172, 231, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 231, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 27.249, 158.360 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(172, 231, 198) }
```

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

```
.border{ border-color:rgb(172, 231, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 231, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 231, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 231, 198);  
box-shadow:4px 4px 4px 4px rgb(172, 231,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 27.249, 158.360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 231, 198) }
```

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

```
.background{ background-color: rgb(172,  
231, 198) }
```

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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