

Converting Colors

CIELCh(87, 24.407, 158.316)

Have a look what the booklet for
CIELCh(87, 24.407, 158.316)
contains.

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Color

CIELCh(87, 24.649, 158.292)

Conversions

Conversions Part 1

Format	Color
Hex	B1E6C8
RGB	177, 230, 200
RGB Percent	69%, 90%, 78%
CMY	0.3064, 0.0986, 0.2162
CMYK	0.23, 0.00, 0.13, 0.10
HSL	146°, 51%, 80%
HSV	146°, 23%, 90%
XYZ	56.7642, 70.0064, 65.0775
YIQ	210.7330, -21.9580, -20.5660

Conversions

Conversions Part 2

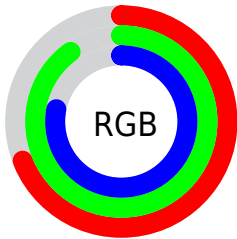
Format	Color
RYB	177, 214, 230
Decimal	11658952
CIELab	87.00, -22.90, 9.12
CIElCh	87, 24.649, 158.292
Yxy	70.0064, 0.2959, 0.3649
Android (android.graphics.Color)	4289849032 (0xFFB1E6C8)
YUV	210.7330, -5.2914, -29.5838
Hunter-Lab	83.6698, -25.3222, 12.4537

Details

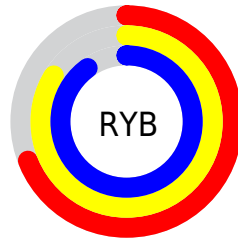
The CIELCh color **87, 24.649, 158.292** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78, 25.163, 342.170**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 7.521, 199.018**, and **67, 24.594, 158.519** is the 20% darker color. If you saturate the color by 10%, you get **85, 35.150, 157.239**, and if you desaturate by 10%, it is **89, 13.971, 159.229**.

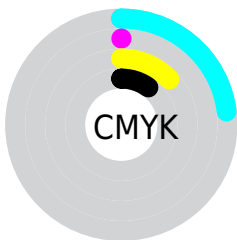
Distribution



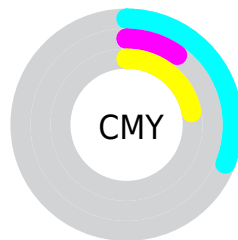
- Red (69%)
- Green (90%)
- Blue (78%)



- Red (69%)
- Yellow (84%)
- Blue (90%)



- Cyan (23%)
- Magenta (0%)
- Yellow (13%)
- Black (10%)




- Cyan (31%)
- Magenta (10%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 24.649, 158.292 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, 24.649, 158.292 by changing the saturation by 10% instead.

 87, 24.649,
158.292

 87, 24.649,
158.292


 100, 24.649,
158.292


 77, 24.649,
158.292

 67, 24.649,
158.292

 57, 24.649,
158.292

 47, 24.649,
158.292

 37, 24.649,
158.292


 27, 24.649,
158.292

 17, 24.649,


158.292


 7, 24.649, 158.292


 0, 24.649, 158.292

 87, 24.649,
158.292

 87, 24.649,
158.292

 85, 35.150,
157.239


 89, 13.971,
159.229

 84, 45.297,
156.046

 91, 3.256, 160.153


 83, 54.905,
154.685

 93, 7.378, 340.704

 82, 63.788,
153.134

 94, 14.433,
328.546

 81, 71.789,

 94, 15.709,
324.967

151.376

■ 81, 78.804,
149.408

■ 81, 84.811,
147.254

■ 80, 88.491,
145.724

Harmonies

Complementary

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



87, 24.649, 158.292



78, 25.163, 342.170

Rectangle

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



87, 24.649, 158.292



87, 24.649, 208.292



87, 24.649, 338.292



87, 24.649, 28.292

Sweetspot

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



87, 24.651, 158.291



98, 8.134, 159.762



88, 28.723, 125.585



52, 5.287, 159.707



0, 0.000, 0.000



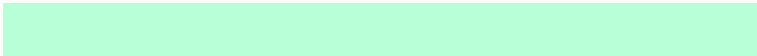
53, 0.007, 296.813

Same Dimension

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



87, 24.651, 158.291



95, 32.494, 157.770



88, 17.983, 192.282



47, 6.065, 159.548



64, 72.608, 146.125



18, 27.931, 150.296

Inverse Universe

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



78, 25.163, 342.170



82, 33.303, 342.662



77, 20.573, 15.948



45, 6.123, 340.960



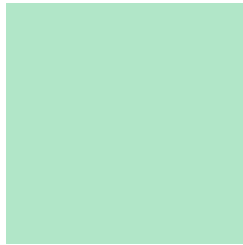
39, 65.993, 355.789



7, 28.377, 350.112

Previews

White Background



This preview shows how the CIELCh color 87, 24.649, 158.292 looks on a white background.

Color Contrast Check

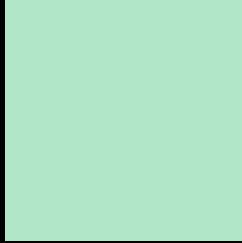
Large Text (above 18pt) WCAG AA × Fail

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, 24.649, 158.292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

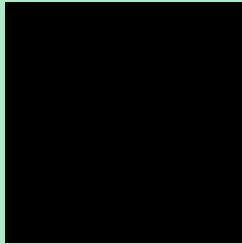
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

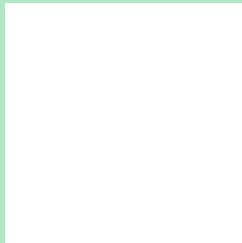
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 24.649, 158.292

Background



This preview shows how black text looks on a background with the CIELCh color 87, 24.649, 158.292.

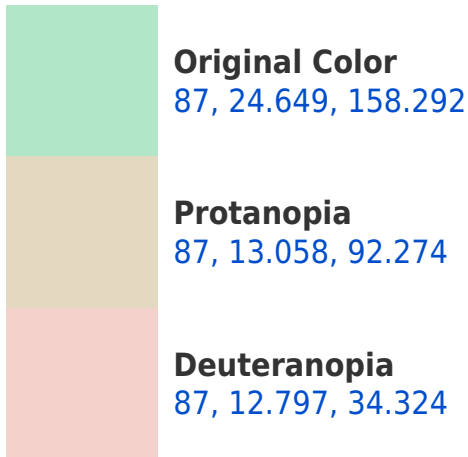


This preview shows how white text looks on a background with the CIELCh color 87, 24.649, 158.292.

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



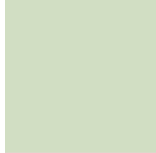


Tritanopia
87, 15.673, 235.869

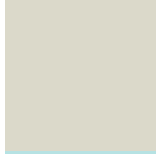
Trichromacy



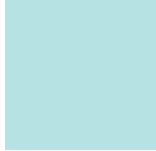
Original Color
87, 24.649, 158.292



Protanomaly
87, 14.897, 127.876

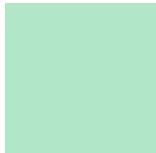


Deuteranomaly
86, 7.855, 104.100

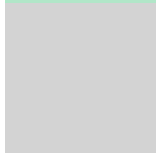


Tritanomaly
87, 14.888, 200.454

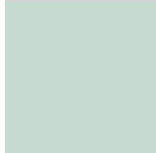
Monochromacy



Original Color
87, 24.649, 158.292



Achromatopsia
85, 0.010, 296.813



Achromatomaly
85, 9.009, 158.995

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 24.649, 158.292 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(177, 230, 200)` looks like.

```
.text, #text, p{  
    color:rgb(177, 230, 200)  
}
```

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(177, 230, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 230, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 24.649, 158.292 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(177, 230, 200) }
```

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

```
.border{ border-color:rgb(177, 230, 200) }
```

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

Here you see how a box with a 4 pixel rgb(177, 230, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 230, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 230, 200);  
box-shadow:4px 4px 4px 4px rgb(177, 230,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 24.649, 158.292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 230, 200) }
```

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

```
.background{ background-color: rgb(177,  
230, 200) }
```

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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