

Converting Colors

CIELCh(87, 21.342, 162.026)

Have a look what the booklet for
CIELCh(87, 21.342, 162.026)
contains.

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Color

CIELCh(87, 21.528, 162.299)

Conversions

Conversions Part 1

Format	Color
Hex	B4E5CD
RGB	180, 229, 205
RGB Percent	71%, 90%, 80%
CMY	0.2949, 0.1027, 0.1968
CMYK	0.21, 0.00, 0.10, 0.10
HSL	151°, 48%, 80%
HSV	151°, 21%, 90%
XYZ	57.7372, 70.0064, 68.1033
YIQ	211.6130, -21.5000, -17.8520

Conversions

Conversions Part 2

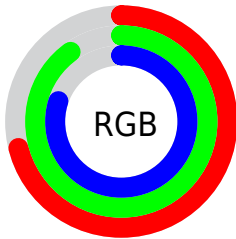
Format	Color
RYB	180, 212, 229
Decimal	11855309
CIELab	87.00, -20.51, 6.55
CIELCh	87, 21.528, 162.299
Yxy	70.0064, 0.2948, 0.3575
Android (android.graphics.Color)	4290045389 (0xFFB4E5CD)
YUV	211.6130, -3.2602, -27.7246
Hunter-Lab	83.6698, -23.2465, 10.3096

Details

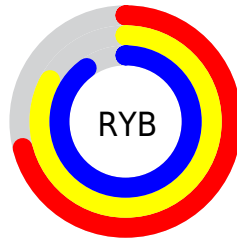
The CIELCh color $87, 21.528, 162.299$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $78, 22.146, 346.118$, and the grayscale version is $85, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 6.515, 199.095$, and $67, 21.332, 162.921$ is the 20% darker color. If you saturate the color by 10%, you get $85, 31.365, 161.227$, and if you desaturate by 10%, it is $89, 11.502, 163.267$.

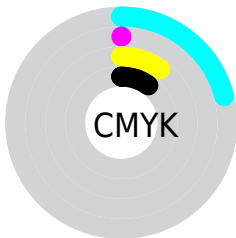
Distribution



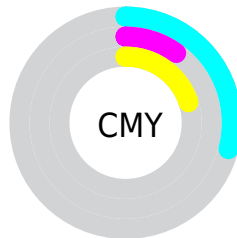
- Red (71%)
- Green (90%)
- Blue (80%)



- Red (71%)
- Yellow (83%)
- Blue (90%)



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




- Cyan (29%)
- Magenta (10%)
- Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 21.528, 162.299 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, 21.528, 162.299 by changing the saturation by 10% instead.

 87, 21.528,
162.299

 87, 21.528,
162.299

 100, 21.528,
162.299

 77, 21.528,
162.299

 67, 21.528,
162.299

 57, 21.528,
162.299

 47, 21.528,
162.299

 37, 21.528,
162.299

 27, 21.528,
162.299

 17, 21.528,


162.299


 7, 21.528, 162.299


 0, 21.528, 162.299

 87, 21.528,
162.299


 87, 21.528,
162.299

 85, 31.365,
161.227


 89, 11.502,
163.267


 84, 40.850,
160.027

 91, 1.417, 164.407


 83, 49.810,
158.671

 93, 8.615, 344.816

 82, 58.078,
157.132

 93, 14.201,
331.320

 81, 65.510,

 94, 16.371,
324.991

155.390

■ 81, 72.016,
153.433

■ 81, 77.583,
151.268

■ 80, 81.749,
149.318

Harmonies

Complementary

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



87, 21.528, 162.299



78, 22.146, 346.118

Rectangle

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



87, 21.528, 162.299



87, 21.528, 212.299



87, 21.528, 342.299



87, 21.528, 32.299

Sweetspot

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



87, 21.530, 162.297



99, 6.596, 163.775



88, 27.003, 128.088



53, 4.376, 163.711



0, 0.000, 0.000



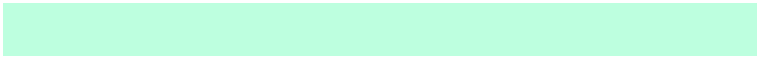
53, 0.007, 296.813

Same Dimension

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



87, 21.530, 162.297



95, 28.466, 161.804



88, 16.475, 198.322



47, 5.737, 163.450



64, 67.334, 149.724



18, 26.012, 153.950

Inverse Universe

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



78, 22.146, 346.118



83, 29.459, 346.617



78, 18.991, 20.978



45, 5.814, 344.958



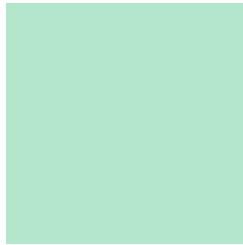
38, 64.763, 2.851



7, 27.514, 355.709

Previews

White Background



This preview shows how the CIELCh color 87, 21.528, 162.299 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, 21.528, 162.299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

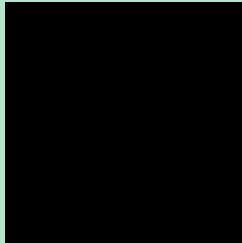
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

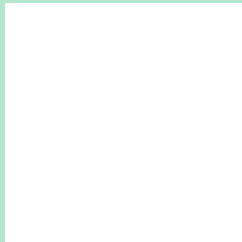
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 21.528, 162.299

Background



This preview shows how black text looks on a background with the CIELCh color 87, 21.528, 162.299.

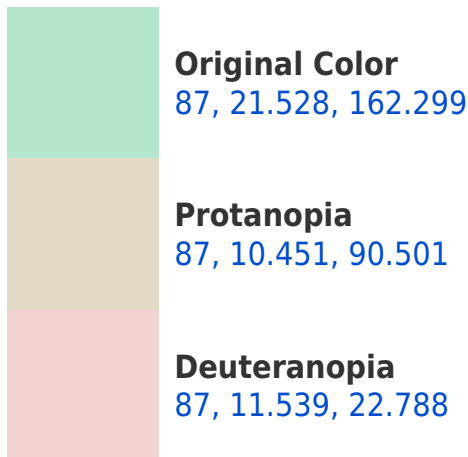


This preview shows how white text looks on a background with the CIELCh color 87, 21.528, 162.299.

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](#).

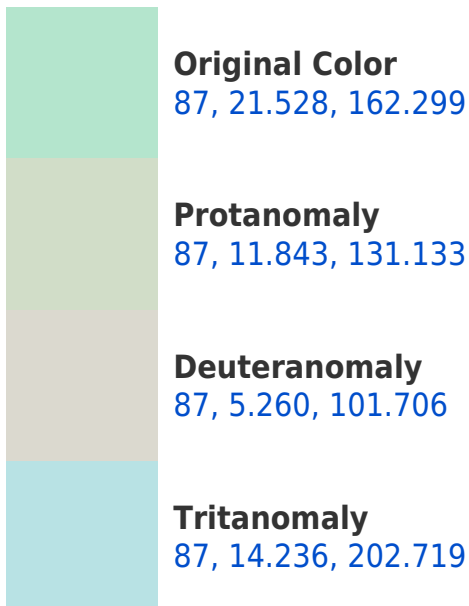
Dichromacy



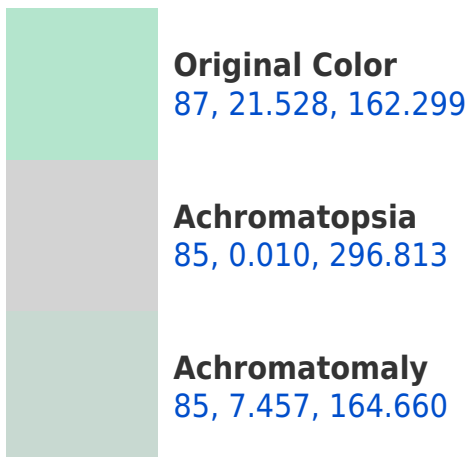


Tritanopia
87, 14.901, 235.595

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 21.528, 162.299 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, 229, 205)` looks like.

```
.text, #text, p{  
    color:rgb(180, 229, 205)  
}
```

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, 229, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 229, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 21.528, 162.299 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, 229, 205) }
```

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

```
.border{ border-color:rgb(180, 229, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 229, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 229, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 229, 205);  
box-shadow:4px 4px 4px 4px rgb(180, 229,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 21.528, 162.299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 229, 205) }
```

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

```
.background{ background-color: rgb(180,  
229, 205) }
```

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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