

# Converting Colors

CIELCh(88, 21.428, 171.185)

Have a look what the booklet for  
CIELCh(88, 21.428, 171.185)  
contains.

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# Color

**CIELCh(88, 21.358, 171.812)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1E8D6
RGB	177, 232, 214
RGB Percent	69%, 91%, 84%
CMY	0.3051, 0.0894, 0.1600
CMYK	0.24, 0.00, 0.08, 0.09
HSL	160°, 55%, 80%
HSV	160°, 24%, 91%
XYZ	59.2551, 72.0653, 74.5408
YIQ	213.5030, -27.0020, -17.2580

# Conversions

## Conversions Part 2

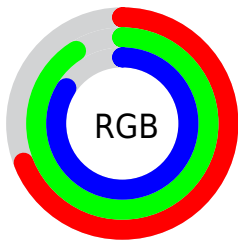
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 210, 232
Decimal	11659478
CIELab	88.00, -21.14, 3.04
CIELCh	88, 21.358, 171.812
Yxy	72.0653, 0.2878, 0.3501
Android (android.graphics.Color)	4289849558 (0xFFB1E8D6)
YUV	213.5030, 0.2450, -32.0131
Hunter-Lab	84.8913, -23.9647, 7.3629

# Details

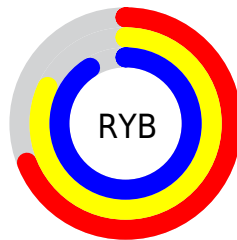
The CIELCh color **88, 21.358, 171.812** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78, 22.744, 356.557**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 7.521, 199.018**, and **68, 21.389, 171.604** is the 20% darker color. If you saturate the color by 10%, you get **87, 29.906, 170.684**, and if you desaturate by 10%, it is **90, 12.470, 172.852**.

# Distribution



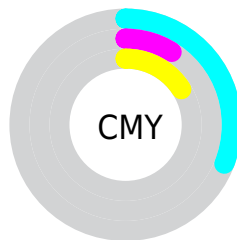
- Red (69%)
- Green (91%)
- Blue (84%)



- Red (69%)
- Yellow (82%)
- Blue (91%)



- Cyan (24%)
- Magenta (0%)
- Yellow (8%)
- Black (9%)




- Cyan (31%)
- Magenta (9%)
- Yellow (16%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 21.358, 171.812 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 88, 21.358, 171.812 by changing the saturation by 10% instead.





 88, 21.358,  
171.812


 88, 21.358,  
171.812


 100, 21.358,  
171.812


 78, 21.358,  
171.812

 68, 21.358,  
171.812

 58, 21.358,  
171.812

 48, 21.358,  
171.812

 38, 21.358,  
171.812


 28, 21.358,  
171.812


 18, 21.358,

171.812


 8, 21.358, 171.812


 0, 21.358, 171.812

 88, 21.358,  
171.812


 88, 21.358,  
171.812

 87, 29.906,  
170.684


 90, 12.470,  
172.852


 85, 37.958,  
169.450

 91, 3.376, 173.913

 84, 45.360,  
168.081

 93, 5.804, 354.553

 84, 51.972,  
166.551

 94, 10.331,  
342.029

 83, 57.691,

 94, 13.083,  
328.464

164.837

94, 14.232,  
324.914

82, 62.476,  
162.919

82, 66.370,  
160.796

82, 68.501,  
159.398

# Harmonies

# Complementary

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



88, 21.358, 171.812



78, 22.744, 356.557

# Rectangle

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



88, 21.358, 171.812



88, 21.358, 221.812



88, 21.358, 351.812



88, 21.358, 41.812

# Sweetspot

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



88, 21.359, 171.809



99, 6.907, 173.530



88, 31.619, 133.588



52, 4.487, 173.467



0, 0.000, 0.000



53, 0.007, 296.813



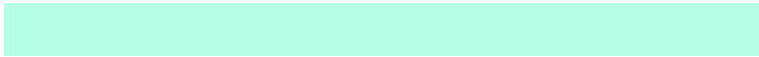


# Same Dimension

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



88, 21.359, 171.809



95, 27.068, 171.320



86, 15.826, 216.253



48, 5.233, 173.279



65, 56.487, 159.788



19, 22.779, 163.560



# Inverse Universe

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



78, 22.744, 356.557



82, 29.183, 357.134



79, 18.631, 35.774



46, 5.365, 354.934



38, 66.964, 18.513

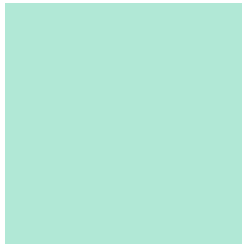


7, 27.807, 7.727



# Previews

## White Background



This preview shows how the CIELCh color 88, 21.358, 171.812 looks on a white background.

## Color Contrast Check

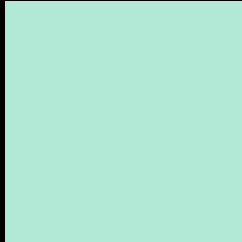
Large Text (above 18pt) WCAG AA × Fail

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 88, 21.358, 171.812 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

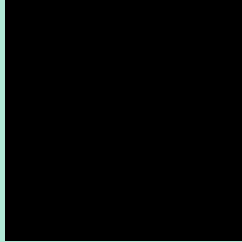
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

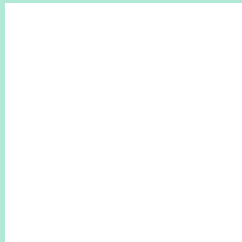
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 88, 21.358, 171.812**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 88, 21.358, 171.812.

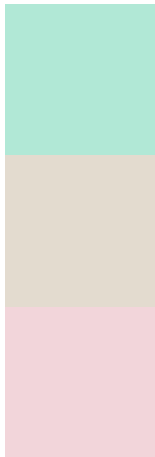


This preview shows how white text looks on a background with the CIELCh color 88, 21.358, 171.812.

# 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**  
88, 21.358, 171.812

**Protanopia**  
88, 6.892, 84.257

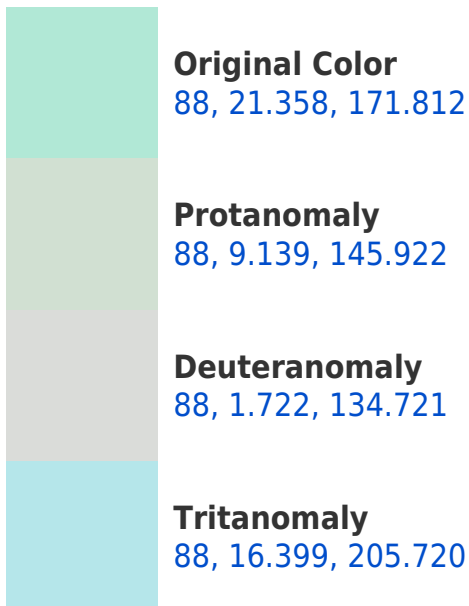
**Deuteranopia**  
88, 10.945, 6.456



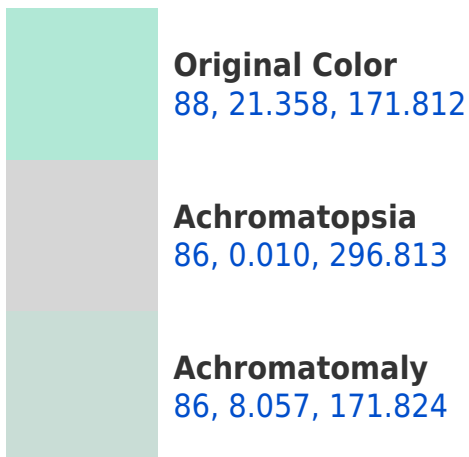


**Tritanopia**  
88, 17.138, 232.048

## Trichromacy



## Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 21.358, 171.812 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, 232, 214)` looks like.

```
.text, #text, p{  
    color:rgb(177, 232, 214)  
}
```

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, 232, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 232, 214) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 21.358, 171.812 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, 232, 214) }
```

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

```
.border{ border-color:rgb(177, 232, 214) }
```

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

Here you see how a box with a 4 pixel rgb(177, 232, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 232, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 232, 214);  
box-shadow:4px 4px 4px 4px rgb(177, 232,  
214) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 21.358, 171.812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 232, 214) }
```

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

```
.background{ background-color: rgb(177,  
232, 214) }
```

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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