

# Converting Colors

CIELCh(82, 14.486, 222.332)

Have a look what the booklet for  
CIELCh(82, 14.486, 222.332)  
contains.

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# **Color**

**CIELCh(82, 14.473, 222.439)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABD3DE
RGB	171, 211, 222
RGB Percent	67%, 83%, 87%
CMY	0.3307, 0.1739, 0.1307
CMYK	0.23, 0.05, 0.00, 0.13
HSL	193°, 43%, 77%
HSV	193°, 23%, 87%
XYZ	53.0731, 60.2982, 77.7100
YIQ	200.2940, -27.3710, -5.0590

# Conversions

## Conversions Part 2

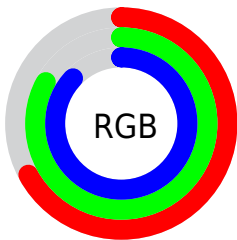
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 193, 222
Decimal	11260894
CIELab	82.00, -10.68, -9.77
CIElCh	82, 14.473, 222.439
Yxy	60.2982, 0.2778, 0.3156
Android (android.graphics.Color)	4289450974 (0xFFABD3DE)
YUV	200.2940, 10.7011, -25.6908
Hunter-Lab	77.6519, -13.8906, -4.9780

# Details

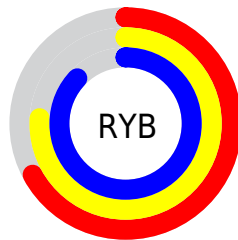
The CIELCh color  $82, 14.473, 222.439$  is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be  $77, 16.854, 40.813$ , and the grayscale version is  $81, 0.010, 296.813$ .

A 20% lighter version of the original color is  $98, 9.514, 198.874$ , and  $62, 14.336, 224.049$  is the 20% darker color. If you saturate the color by 10%, you get  $79, 20.048, 223.226$ , and if you desaturate by 10%, it is  $85, 8.424, 221.877$ .

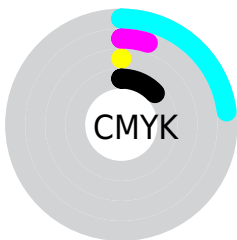
# Distribution



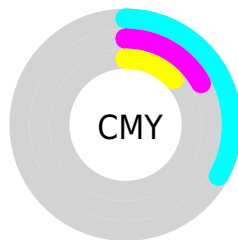
- Red (67%)
- Green (83%)
- Blue (87%)



- Red (67%)
- Yellow (76%)
- Blue (87%)



- Cyan (23%)
- Magenta (5%)
- Yellow (0%)
- Black (13%)




- Cyan (33%)
- Magenta (17%)
- Yellow (13%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 14.473, 222.439 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 82, 14.473, 222.439 by changing the saturation by 10% instead.




 82, 14.473,  
222.439


 82, 14.473,  
222.439


 100, 14.473,  
222.439


 72, 14.473,  
222.439


 62, 14.473,  
222.439

 52, 14.473,  
222.439

 42, 14.473,  
222.439

 32, 14.473,  
222.439

 22, 14.473,  
222.439

 12, 14.473,

222.439

■ 2, 14.473, 222.439

■ 0, 14.473, 222.439

■ 82, 14.473,  
222.439

■ 82, 14.473,  
222.439

■ 79, 20.048,  
223.226

■ 85, 8.424, 221.877

■ 77, 25.050,  
224.305

■ 87, 1.994, 221.689

■ 90, 4.731, 40.997

■ 75, 29.384,  
225.737

■ 93, 10.172, 44.089

■ 73, 32.976,  
227.602

■ 94, 10.010, 60.983

■ 95, 10.710, 76.950

■ 71, 35.786,

229.990

97, 12.116, 90.023

69, 37.835,  
232.986

98, 14.011, 99.919

67, 39.225,  
236.644

99, 16.216,  
107.240

66, 39.965,  
239.511

# Harmonies

# Complementary

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



82, 14.473, 222.439



77, 16.854, 40.813

# Rectangle

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



82, 14.473, 222.439



82, 14.473, 272.439



82, 14.473, 42.439



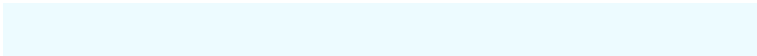
82, 14.473, 92.439

# Sweetspot

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



82, 14.473, 222.432



98, 5.158, 221.671



84, 28.505, 148.875



52, 3.347, 221.685



0, 0.000, 0.000



53, 0.007, 296.813



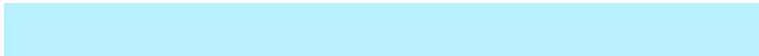


# Same Dimension

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



82, 14.473, 222.432



91, 19.395, 222.815



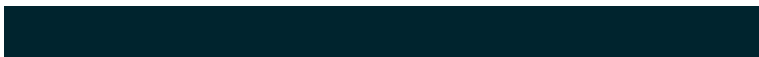
75, 19.767, 277.005



45, 3.680, 221.738



53, 33.189, 238.744



12, 13.114, 230.689



# Inverse Universe

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



76, 28.315, 332.561



83, 38.608, 332.921



83, 19.692, 90.812



43, 6.887, 331.646



39, 73.318, 339.061

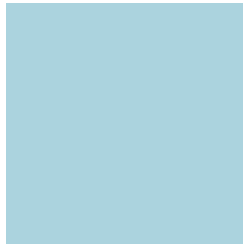


6, 29.692, 336.802



# Previews

## White Background



This preview shows how the CIE LCh color 82, 14.473, 222.439 looks on a white background.

## Color Contrast Check

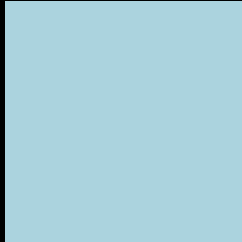
Large Text (above 18pt) WCAG AA × Fail

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 82, 14.473, 222.439 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

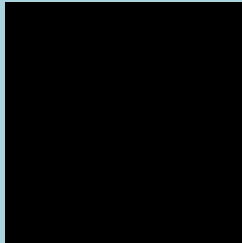
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

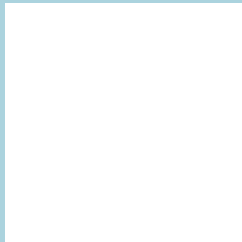
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 82, 14.473, 222.439**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 82, 14.473, 222.439.



This preview shows how white text looks on a background with the CIELCh color 82, 14.473, 222.439.

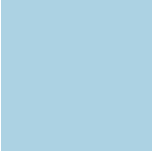
# Color Blindness Simulation

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**  
82, 15.271, 235.039

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 82, 14.473, 222.439 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(171, 211, 222)` looks like.

```
.text, #text, p{  
    color:rgb(171, 211, 222)  
}
```

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(171, 211, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 211, 222) }
```

## Border

The CSS property to change the border of an element to CIELCh 82, 14.473, 222.439 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(171, 211, 222) }
```

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

```
.border{ border-color:rgb(171, 211, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 211, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 211, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 211, 222);  
box-shadow:4px 4px 4px 4px rgb(171, 211,  
222) }
```

# Background

The CSS property to change the background color of an element to CIELCh 82, 14.473, 222.439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 211, 222) }
```

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

```
.background{ background-color: rgb(171,  
211, 222) }
```

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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