

# Converting Colors

CIELCh(74, 22.491, 174.699)

Have a look what the booklet for  
CIELCh(74, 22.491, 174.699)  
contains.

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# **Color**

**CIELCh(74, 22.828, 173.812)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87C2B1
RGB	135, 194, 177
RGB Percent	53%, 76%, 69%
CMY	0.4720, 0.2406, 0.3073
CMYK	0.30, 0.00, 0.09, 0.24
HSL	163°, 32%, 64%
HSV	163°, 30%, 76%
XYZ	37.0467, 46.7039, 48.4716
YIQ	174.4210, -29.7070, -17.7950

# Conversions

## Conversions Part 2

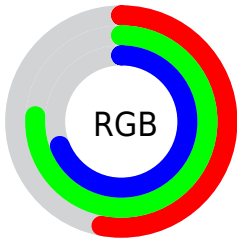
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 169, 194
Decimal	8897201
CIELab	74.00, -22.69, 2.46
CIElCh	74, 22.828, 173.812
Yxy	46.7039, 0.2802, 0.3532
Android (android.graphics.Color)	4287087281 (0xFF87C2B1)
YUV	174.4210, 1.2714, -34.5722
Hunter-Lab	68.3403, -22.8322, 5.7857

# Details

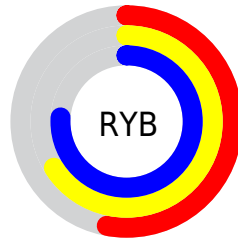
The CIELCh color **74, 22.828, 173.812** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **62, 25.071, 0.162**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 22.810, 173.945**, and **54, 22.835, 173.278** is the 20% darker color. If you saturate the color by 10%, you get **73, 29.677, 172.653**, and if you desaturate by 10%, it is **75, 15.579, 174.878**.

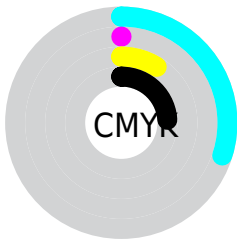
# Distribution



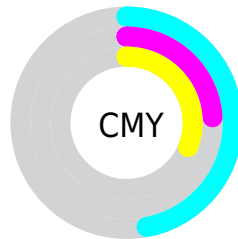
- Red (53%)
- Green (76%)
- Blue (69%)



- Red (53%)
- Yellow (66%)
- Blue (76%)



- Cyan (30%)
- Magenta (0%)
- Yellow (9%)
- Black (24%)




- Cyan (47%)
- Magenta (24%)
- Yellow (31%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 22.828, 173.812 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 74, 22.828, 173.812 by changing the saturation by 10% instead.




 74, 22.828,  
173.812

 74, 22.828,  
173.812


 100, 22.828,  
173.812


 64, 22.828,  
173.812


 94, 22.828,  
173.812

 54, 22.828,  
173.812

 44, 22.828,  
173.812

 34, 22.828,  
173.812

 24, 22.828,  
173.812

 14, 22.828,  
173.812

 4, 22.828, 173.812

0, 22.828, 173.812

74, 22.828,  
173.812

74, 22.828,  
173.812

73, 29.677,  
172.653

75, 15.579,  
174.878

72, 35.995,  
171.383

77, 8.050, 175.888

71, 41.661,  
169.978

78, 0.354, 178.075

80, 7.415, 357.549

71, 46.579,  
168.412

82, 15.181,  
358.401

70, 50.697,  
166.664

84, 22.887,  
359.192

70, 54.025,  
164.719

84, 25.322,  
354.454

■ 70, 56.634,  
162.739

■ 84, 26.595,  
348.712

■ 85, 28.126,  
343.573

# Harmonies

# Complementary

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



74, 22.828, 173.812



62, 25.071, 0.162

# Rectangle

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



74, 22.828, 173.812



74, 22.828, 223.812



74, 22.828, 353.812



74, 22.828, 43.812

# Sweetspot

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



74, 22.829, 173.810



97, 8.597, 176.021



74, 35.401, 134.285



52, 6.016, 175.871



0, 0.000, 0.000



53, 0.007, 296.813



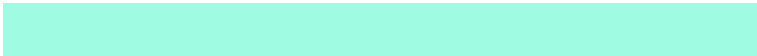


# Same Dimension

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



74, 22.829, 173.810



93, 33.888, 172.995



71, 16.859, 220.890



40, 4.368, 175.998



59, 49.067, 163.063



10, 15.489, 168.859



# Inverse Universe

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



62, 25.071, 0.162



76, 38.094, 1.237



65, 20.794, 39.224



38, 4.492, 357.614



33, 62.204, 21.512

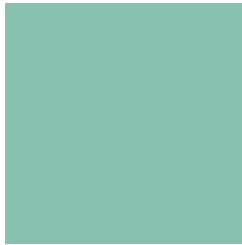


3, 14.569, 4.078



# Previews

## White Background



This preview shows how the CIELCh color 74, 22.828, 173.812 looks on a white background.

## Color Contrast Check

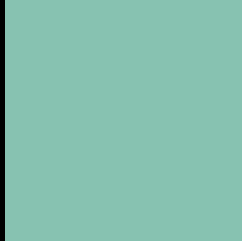
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 74, 22.828, 173.812 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

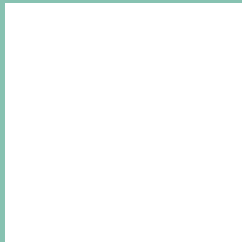
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 74, 22.828, 173.812**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 74, 22.828, 173.812.

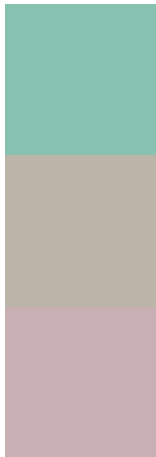


This preview shows how white text looks on a background with the CIELCh color 74, 22.828, 173.812.

# 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

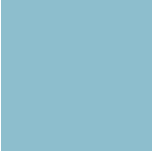


**Original Color**  
74, 22.828, 173.812

**Protanopia**  
74, 6.858, 89.909

**Deuteranopia**  
74, 9.504, 3.717





**Tritanopia**  
74, 17.828, 225.604

# Trichromacy



**Original Color**  
74, 22.828, 173.812

**Protanomaly**  
74, 10.186, 150.712

**Deuteranomaly**  
74, 2.771, 163.522

**Tritanomaly**  
74, 17.620, 205.216

# Monochromacy



**Original Color**  
74, 22.828, 173.812

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
72, 8.430, 175.947

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 22.828, 173.812 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(135, 194, 177)` looks like.

```
.text, #text, p{  
    color:rgb(135, 194, 177)  
}
```

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(135, 194, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 194, 177) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 22.828, 173.812 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(135, 194, 177) }
```

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

```
.border{ border-color:rgb(135, 194, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 194, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 194, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 194, 177); box-shadow:4px 4px 4px 4px rgb(135, 194, 177) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 22.828, 173.812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 194, 177) }
```

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

```
.background{ background-color: rgb(135,  
194, 177) }
```

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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