

# Converting Colors

CIELCh(74, 38.173, 179.139)

Have a look what the booklet for  
CIELCh(74, 38.173, 179.139)  
contains.

<b>CIELCh(74, 38.173, 179.139)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(74, 38.173, 179.139)**

# Conversions

## Conversions Part 1

Format	Color
Hex	53C9B4
RGB	83, 201, 180
RGB Percent	33%, 79%, 71%
CMY	0.6761, 0.2132, 0.2955
CMYK	0.59, 0.00, 0.10, 0.21
HSL	169°, 52%, 56%
HSV	169°, 59%, 79%
XYZ	32.5348, 46.7039, 50.2908
YIQ	163.3240, -63.5870, -31.5470

# Conversions

## Conversions Part 2

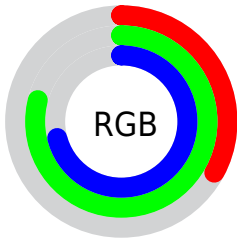
<b>Format</b>	<b>Color</b>
<b>RYB</b>	83, 148, 201
Decimal	5491124
CIELab	74.00, -38.17, 0.57
CIElCh	74, 38.173, 179.139
Yxy	46.7039, 0.2512, 0.3606
Android (android.graphics.Color)	4283681204 (0xFF53C9B4)
YUV	163.3240, 8.2213, -70.4441
Hunter-Lab	68.3403, -34.6170, 4.2074

# Details

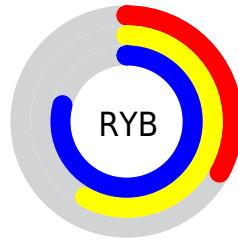
The CIELCh color **74, 38.173, 179.139** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **51, 50.290, 14.056**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 36.522, 181.459**, and **54, 37.514, 178.832** is the 20% darker color. If you saturate the color by 10%, you get **73, 42.459, 177.872**, and if you desaturate by 10%, it is **75, 33.073, 180.296**.

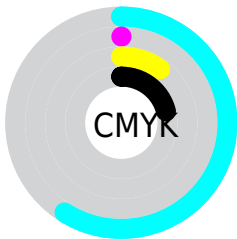
# Distribution



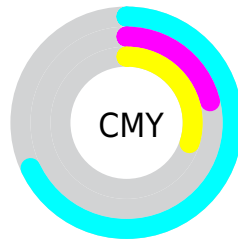
- Red (33%)
- Green (79%)
- Blue (71%)



- Red (33%)
- Yellow (58%)
- Blue (79%)



- Cyan (59%)
- Magenta (0%)
- Yellow (10%)
- Black (21%)




- Cyan (68%)
- Magenta (21%)
- Yellow (30%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 38.173, 179.139 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, 38.173, 179.139 by changing the saturation by 10% instead.





 74, 38.173,  
179.139

 74, 38.173,  
179.139


 100, 38.173,  
179.139


 64, 38.173,  
179.139


 94, 38.173,  
179.139

 54, 38.173,  
179.139

 44, 38.173,  
179.139

 34, 38.173,  
179.139

 24, 38.173,  
179.139

 14, 38.173,  
179.139

 4, 38.173, 179.139

0, 38.173, 179.139

74, 38.173,  
179.139

74, 38.173,  
179.139

73, 42.459,  
177.872

75, 33.073,  
180.296

73, 45.883,  
176.475

76, 27.248,  
181.367

73, 48.456,  
174.927

77, 20.814,  
182.372

72, 50.320,  
173.241

78, 13.900,  
183.328

72, 50.524,  
173.046

79, 6.627, 184.269

81, 0.890, 4.472

83, 8.553, 5.826

■ 85, 16.282, 6.661

■ 86, 21.010, 5.111

# Harmonies

# Complementary

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



74, 38.173, 179.139



51, 50.290, 14.056

# Rectangle

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



74, 38.173, 179.139



74, 38.173, 229.139



74, 38.173, 359.139



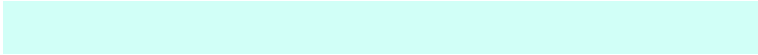
74, 38.173, 49.139

# Sweetspot

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



74, 38.173, 179.138



97, 16.157, 183.383



73, 70.737, 135.714



51, 11.162, 183.105



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, 38.173, 179.138



91, 52.276, 177.444



64, 29.906, 242.751



41, 4.221, 184.216



60, 43.199, 173.328



12, 14.897, 177.689



# Inverse Universe

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



51, 50.290, 14.056



59, 73.163, 18.308



58, 43.834, 50.415



39, 4.390, 5.748



34, 67.193, 30.527

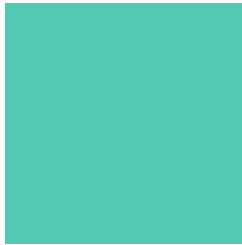


3, 16.124, 10.270



# Previews

## White Background



This preview shows how the CIELCh color 74, 38.173, 179.139 looks on a white background.

## Color Contrast Check

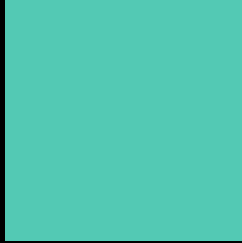
Large Text (above 18pt) WCAG AA × Fail

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, 38.173, 179.139 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

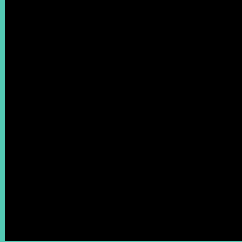
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

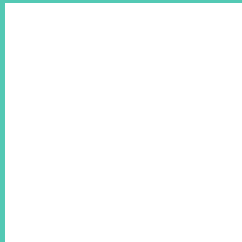
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 74, 38.173, 179.139

## Background



This preview shows how black text looks on a background with the CIELCh color 74, 38.173, 179.139.

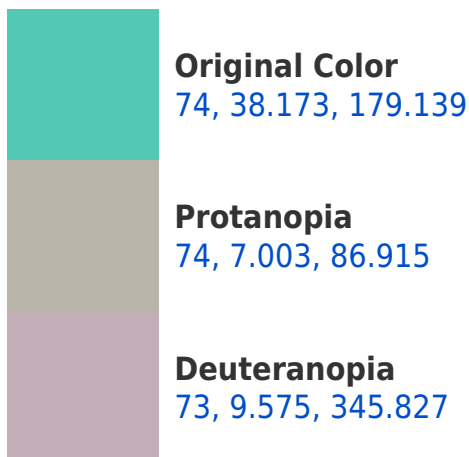


This preview shows how white text looks on a background with the CIELCh color 74, 38.173, 179.139.

# 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**  
74, 30.149, 214.259

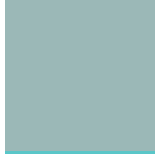
# Trichromacy



**Original Color**  
74, 38.173, 179.139



**Protanomaly**  
73, 16.766, 166.891



**Deuteranomaly**  
73, 10.398, 195.606

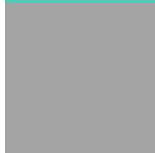


**Tritanomaly**  
74, 31.933, 199.032

# Monochromacy



**Original Color**  
74, 38.173, 179.139



**Achromatopsia**  
67, 0.008, 296.813



**Achromatomaly**  
69, 16.085, 182.173

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 38.173, 179.139 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(83, 201, 180)` looks like.

```
.text, #text, p{  
    color:rgb(83, 201, 180)  
}
```

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(83, 201, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 201, 180) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 38.173, 179.139 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(83, 201, 180) }
```

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

```
.border{ border-color:rgb(83, 201, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 201, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 201, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 201, 180);  
box-shadow:4px 4px 4px 4px rgb(83, 201,  
180) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 38.173, 179.139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 201, 180) }
```

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

```
.background{ background-color: rgb(83, 201,  
180) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor