

# Converting Colors

CIELCh(74, 23.366, 197.246)

Have a look what the booklet for  
CIELCh(74, 23.366, 197.246)  
contains.

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# Color

**CIELCh(74, 23.255, 197.657)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BC2C2
RGB	123, 194, 194
RGB Percent	48%, 76%, 76%
CMY	0.5175, 0.2391, 0.2391
CMYK	0.37, 0.00, 0.00, 0.24
HSL	180°, 37%, 62%
HSV	180°, 37%, 76%
XYZ	37.2099, 46.7039, 58.1075
YIQ	172.7710, -42.3160, -15.0520

# Conversions

## Conversions Part 2

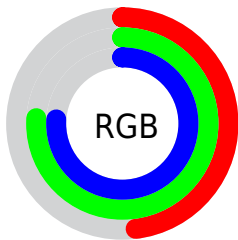
<b>Format</b>	<b>Color</b>
<b>RYB</b>	123, 159, 194
Decimal	8110786
CIELab	74.00, -22.16, -7.05
CIELCh	74, 23.255, 197.657
Yxy	46.7039, 0.2620, 0.3289
Android (android.graphics.Color)	4286300866 (0xFF7BC2C2)
YUV	172.7710, 10.4659, -43.6492
Hunter-Lab	68.3403, -22.4059, -2.5741

# Details

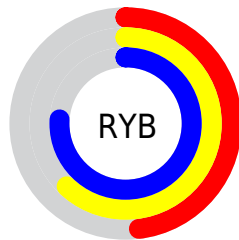
The CIELCh color **74, 23.255, 197.657** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59, 29.998, 22.757**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 23.519, 196.682**, and **54, 23.192, 197.195** is the 20% darker color. If you saturate the color by 10%, you get **73, 28.229, 197.285**, and if you desaturate by 10%, it is **75, 17.590, 198.084**.

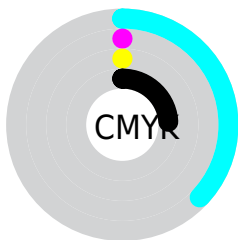
# Distribution



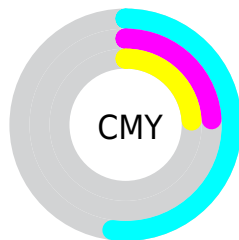
- Red (48%)
- Green (76%)
- Blue (76%)



- Red (48%)
- Yellow (62%)
- Blue (76%)



- Cyan (37%)
- Magenta (0%)
- Yellow (0%)
- Black (24%)




- Cyan (52%)
- Magenta (24%)
- Yellow (24%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 23.255, 197.657 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, 23.255, 197.657 by changing the saturation by 10% instead.





 74, 23.255,  
197.657

 74, 23.255,  
197.657


 100, 23.255,  
197.657


 64, 23.255,  
197.657


 94, 23.255,  
197.657

 54, 23.255,  
197.657

 44, 23.255,  
197.657

 34, 23.255,  
197.657

 24, 23.255,  
197.657

 14, 23.255,  
197.657

 4, 23.255, 197.657

0, 23.255, 197.657

74, 23.255,  
197.657

74, 23.255,  
197.657

73, 28.229,  
197.285

75, 17.590,  
198.084

72, 32.416,  
196.980

76, 11.343,  
198.573

72, 35.747,  
196.740

77, 4.628, 199.159

79, 2.445, 19.374

72, 38.195,  
196.566

81, 9.779, 20.120

71, 39.782,  
196.453

82, 17.290, 20.745

71, 40.603,  
196.395

84, 23.391, 21.244

■ 71, 40.803,  
196.381

■ 84, 23.391, 21.244

■ 84, 23.391, 21.243

# Harmonies

# Complementary

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



74, 23.255, 197.657



59, 29.998, 22.757

# Rectangle

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



74, 23.255, 197.657



74, 23.255, 247.657



74, 23.255, 17.657



74, 23.255, 67.657

# Sweetspot

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



74, 23.255, 197.654



97, 9.453, 198.870



72, 46.406, 141.386



52, 6.380, 198.792



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, 23.255, 197.654



93, 33.331, 197.350



64, 22.042, 259.594



40, 3.949, 198.978



60, 35.476, 196.381



11, 12.444, 196.389



# Inverse Universe

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



59, 29.998, 22.757



71, 45.876, 24.059



67, 24.699, 69.163



38, 4.187, 19.918



33, 73.726, 39.722

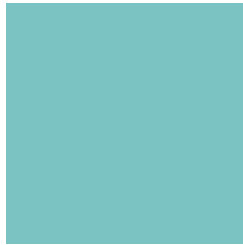


3, 13.999, 19.403



# Previews

## White Background



This preview shows how the CIELCh color 74, 23.255, 197.657 looks on a white background.

## Color Contrast Check

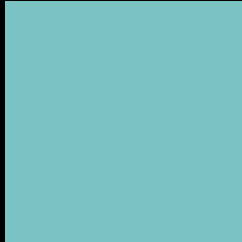
Large Text (above 18pt) WCAG AA × Fail

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 74, 23.255, 197.657 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

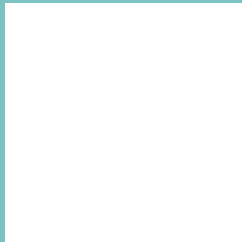
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 74, 23.255, 197.657

## Background



This preview shows how black text looks on a background with the CIELCh color 74, 23.255, 197.657.

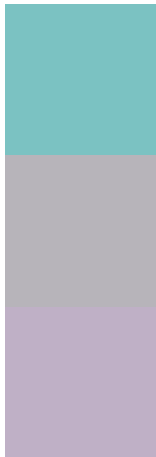


This preview shows how white text looks on a background with the CIELCh color 74, 23.255, 197.657.

# 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, 23.255, 197.657

### Protanopia

74, 3.455, 309.175

### Deuteranopia

74, 13.180, 315.604





**Tritanopia**  
74, 21.956, 219.873

# Trichromacy



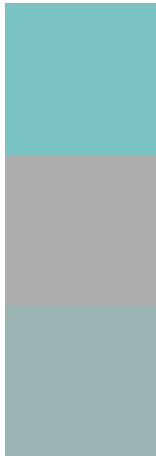
**Original Color**  
74, 23.255, 197.657

**Protanomaly**  
74, 8.756, 213.201

**Deuteranomaly**  
74, 9.534, 252.086

**Tritanomaly**  
74, 21.980, 210.768

# Monochromacy



**Original Color**  
74, 23.255, 197.657

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
72, 9.341, 198.699

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 23.255, 197.657 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(123, 194, 194)` looks like.

```
.text, #text, p{  
    color:rgb(123, 194, 194)  
}
```

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(123, 194, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 194, 194) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 23.255, 197.657 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(123, 194, 194) }
```

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

```
.border{ border-color:rgb(123, 194, 194) }
```

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

Here you see how a box with a 4 pixel rgb(123, 194, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 194, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 194, 194);  
box-shadow:4px 4px 4px 4px rgb(123, 194,  
194) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 23.255, 197.657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 194, 194) }
```

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

```
.background{ background-color: rgb(123,  
194, 194) }
```

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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