

# Converting Colors

CIELCh(74, 23.804, 191.005)

Have a look what the booklet for  
CIELCh(74, 23.804, 191.005)  
contains.

<b>CIELCh(74, 23.804, 191.008)</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, 23.804, 191.008)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BC2BD
RGB	123, 194, 189
RGB Percent	48%, 76%, 74%
CMY	0.5160, 0.2376, 0.2572
CMYK	0.37, 0.00, 0.03, 0.24
HSL	176°, 37%, 62%
HSV	176°, 37%, 76%
XYZ	36.8429, 46.7039, 55.4535
YIQ	172.2010, -40.7110, -16.6070

# Conversions

## Conversions Part 2

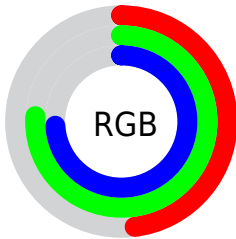
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	123, 160, 194
Decimal	8110781
CIE <sub>Lab</sub>	74.00, -23.37, -4.55
CIE <sub>LCh</sub>	74, 23.804, 191.008
Yxy	46.7039, 0.2651, 0.3360
Android (android.graphics.Color)	4286300861 (0xFF7BC2BD)
YUV	172.2010, 8.2819, -43.1493
Hunter-Lab	68.3403, -23.3645, -0.2716

# Details

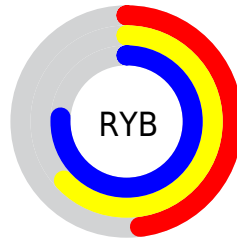
The CIELCh color **74, 23.804, 191.008** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **59, 29.642, 17.439**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 24.023, 190.458**, and **54, 23.736, 191.484** is the 20% darker color. If you saturate the color by 10%, you get **73, 29.064, 190.298**, and if you desaturate by 10%, it is **75, 17.901, 191.715**.

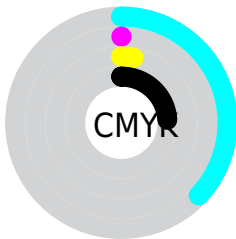
# Distribution



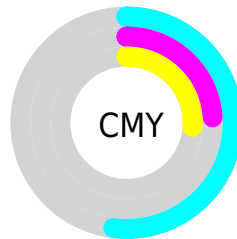
- Red (48%)
- Green (76%)
- Blue (74%)



- Red (48%)
- Yellow (63%)
- Blue (76%)



- Cyan (37%)
- Magenta (0%)
- Yellow (3%)
- Black (24%)



- Cyan (52%)
- Magenta (24%)
- Yellow (26%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 23.804, 191.008 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, 23.804, 191.008 by changing the saturation by 10% instead.



 74, 23.804,  
191.008

 74, 23.804,  
191.008

 100, 23.804,  
191.008

 64, 23.804,  
191.008


 94, 23.804,  
191.008

 54, 23.804,  
191.008

 44, 23.804,  
191.008

 34, 23.804,  
191.008

 24, 23.804,  
191.008

 14, 23.804,  
191.008

 4, 23.804, 191.008

0, 23.804, 191.008

74, 23.804,  
191.008

74, 23.804,  
191.008

73, 29.064,  
190.298

75, 17.901,  
191.715

72, 33.574,  
189.585

76, 11.471,  
192.435

72, 37.253,  
188.855

78, 4.630, 193.211

79, 2.514, 13.596

71, 40.059,  
188.096

81, 9.863, 14.464

71, 42.003,  
187.293

83, 17.338, 15.197

71, 43.168,  
186.432

84, 23.124, 15.337

■ 71, 43.490,  
186.128

■ 84, 23.144, 13.574

■ 84, 23.188, 11.815

# Harmonies

# Complementary

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



74, 23.804, 191.008



59, 29.642, 17.439

# Rectangle

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



74, 23.804, 191.008



74, 23.804, 241.008



74, 23.804, 11.008



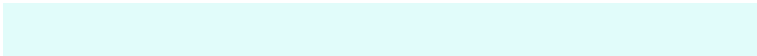
74, 23.804, 61.008

# Sweetspot

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



74, 23.804, 191.005



97, 9.559, 192.835



73, 45.441, 139.830



52, 6.456, 192.730



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, 23.804, 191.005



93, 34.266, 190.428



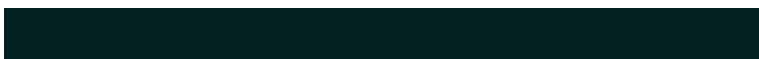
66, 20.733, 251.442



40, 3.990, 192.975



59, 37.716, 186.263



11, 12.980, 188.566



# Inverse Universe

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



59, 29.642, 17.439



71, 45.121, 18.860



66, 24.282, 62.083



38, 4.199, 14.218



33, 71.000, 36.798

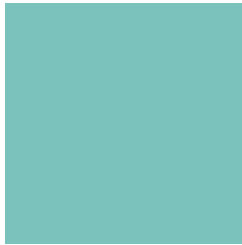


3, 14.044, 15.557



# Previews

## White Background



This preview shows how the CIELCh color 74, 23.804, 191.008 looks on a white background.

## Color Contrast Check

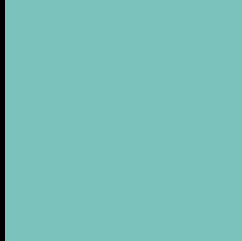
Large Text (above 18pt) WCAG AA × Fail

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, 23.804, 191.008 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

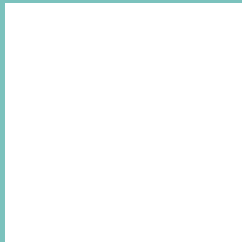
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 74, 23.804, 191.008**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 74, 23.804, 191.008.

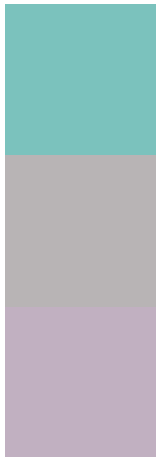


This preview shows how white text looks on a background with the CIELCh color 74, 23.804, 191.008.

# 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, 23.804, 191.008

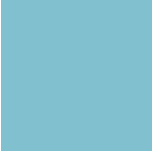
### Protanopia

74, 1.598, 359.424

### Deuteranopia

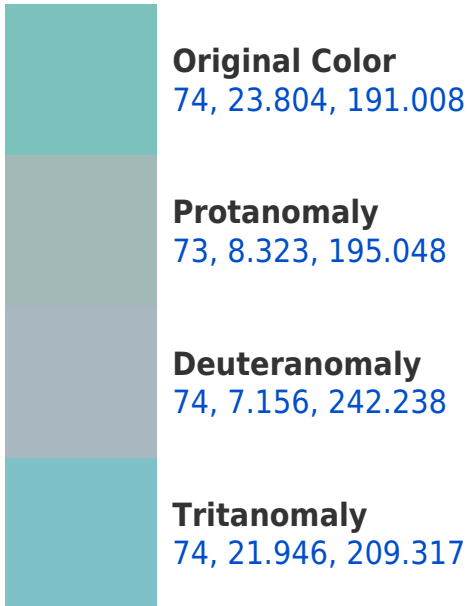
74, 11.186, 324.898



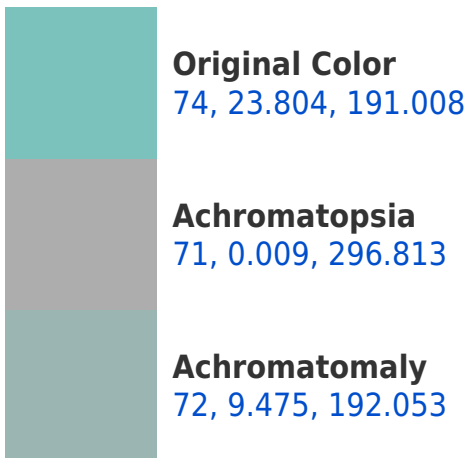


**Tritanopia**  
74, 21.704, 220.156

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 23.804, 191.008 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(123, 194, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 194, 189) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 23.804, 191.008 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, 189) }
```

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

```
.border{ border-color:rgb(123, 194, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 194, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 194, 189);  
box-shadow:4px 4px 4px 4px rgb(123, 194,  
189) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 23.804, 191.008 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, 189) }
```

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

```
.background{ background-color: rgb(123,  
194, 189) }
```

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