

# Converting Colors

CIELCh(74, 20.311, 197.458)

Have a look what the booklet for  
CIELCh(74, 20.311, 197.458)  
contains.

<b>CIELCh(74, 20.500, 196.328)</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, 20.500, 196.328)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84C1C0
RGB	132, 193, 192
RGB Percent	52%, 76%, 75%
CMY	0.4833, 0.2441, 0.2481
CMYK	0.32, 0.00, 0.01, 0.24
HSL	179°, 33%, 64%
HSV	179°, 32%, 76%
XYZ	37.9738, 46.7039, 56.7319
YIQ	174.6470, -36.0350, -13.2430

# Conversions

## Conversions Part 2

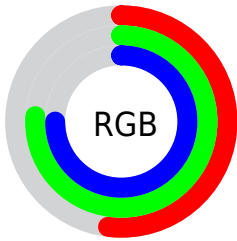
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 163, 193
Decimal	8700352
CIELab	74.00, -19.67, -5.76
CIELCh	74, 20.500, 196.328
Yxy	46.7039, 0.2685, 0.3303
Android (android.graphics.Color)	4286890432 (0xFF84C1C0)
YUV	174.6470, 8.5550, -37.4014
Hunter-Lab	68.3403, -20.4105, -1.3807

# Details

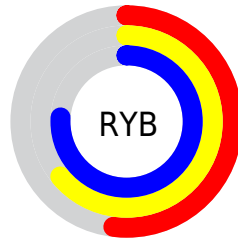
The CIELCh color **74, 20.500, 196.328** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61, 25.278, 20.848**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 20.688, 195.246**, and **54, 20.381, 197.449** is the 20% darker color. If you saturate the color by 10%, you get **73, 25.852, 195.847**, and if you desaturate by 10%, it is **75, 14.526, 196.849**.

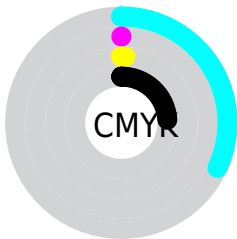
# Distribution



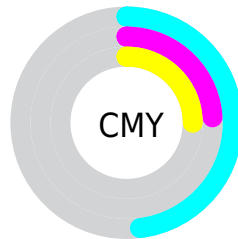
- Red (52%)
- Green (76%)
- Blue (75%)



- Red (52%)
- Yellow (64%)
- Blue (76%)



- Cyan (32%)
- Magenta (0%)
- Yellow (1%)
- Black (24%)




- Cyan (48%)
- Magenta (24%)
- Yellow (25%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 20.500, 196.328 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, 20.500, 196.328 by changing the saturation by 10% instead.



 74, 20.500,  
196.328

 74, 20.500,  
196.328


 100, 20.500,  
196.328


 64, 20.500,  
196.328


 94, 20.500,  
196.328

 54, 20.500,  
196.328

 44, 20.500,  
196.328

 34, 20.500,  
196.328

 24, 20.500,  
196.328

 14, 20.500,  
196.328

 4, 20.500, 196.328

0, 20.500, 196.328

74, 20.500,  
196.328

74, 20.500,  
196.328

73, 25.852,  
195.847

75, 14.526,  
196.849

72, 30.474,  
195.415

76, 8.043, 197.428

72, 34.283,  
195.028

78, 1.162, 198.401

79, 6.013, 18.456

71, 37.223,  
194.686

81, 13.392, 19.128

71, 39.289,  
194.381

83, 20.899, 19.777

84, 23.876, 19.794

71, 40.530,  
194.106

84, 23.865, 19.401

■ 71, 41.103,  
193.891

■ 84, 23.855, 19.006

# Harmonies

# Complementary

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



74, 20.500, 196.328



61, 25.278, 20.848

# Rectangle

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



74, 20.500, 196.328



74, 20.500, 246.328



74, 20.500, 16.328



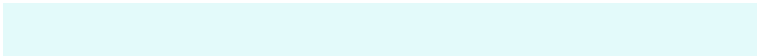
74, 20.500, 66.328

# Sweetspot

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



74, 20.500, 196.325



97, 7.722, 197.588



73, 40.028, 141.830



51, 5.346, 197.493



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



74, 20.500, 196.325



93, 29.532, 195.987



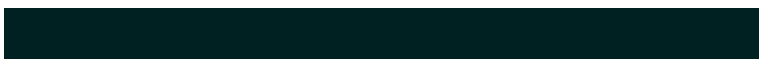
66, 19.048, 258.543



40, 3.955, 197.573



60, 35.909, 193.924



11, 12.553, 194.511



# Inverse Universe

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



61, 25.278, 20.848



74, 38.375, 21.837



68, 20.982, 69.766



38, 4.186, 18.591



33, 73.077, 39.063



3, 14.004, 18.507



# Previews

## White Background



This preview shows how the CIELCh color 74, 20.500, 196.328 looks on a white background.

## Color Contrast Check

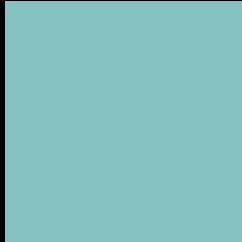
Large Text (above 18pt) WCAG AA × Fail

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, 20.500, 196.328 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

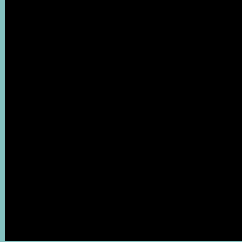
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

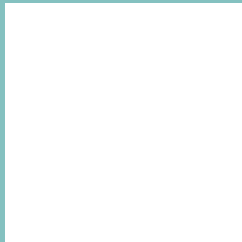
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 74, 20.500, 196.328**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 74, 20.500, 196.328.

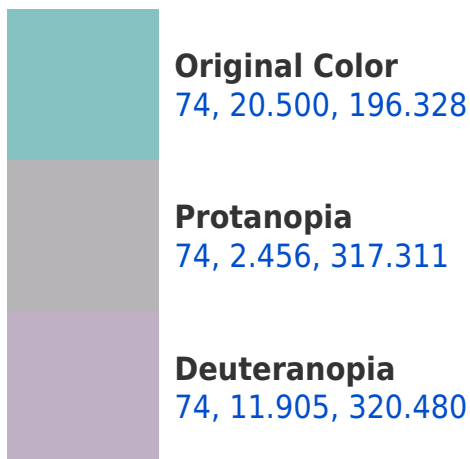


This preview shows how white text looks on a background with the CIELCh color 74, 20.500, 196.328.

# 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, 19.657, 222.752

# Trichromacy



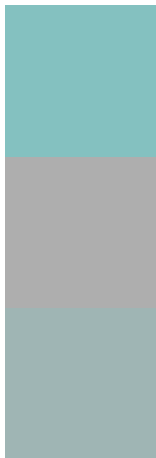
**Original Color**  
74, 20.500, 196.328

**Protanomaly**  
74, 7.593, 207.113

**Deuteranomaly**  
73, 7.701, 257.104

**Tritanomaly**  
74, 19.527, 212.594

# Monochromacy



**Original Color**  
74, 20.500, 196.328

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
72, 8.002, 194.900

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 20.500, 196.328 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(132, 193, 192)` looks like.

```
.text, #text, p{  
    color:rgb(132, 193, 192)  
}
```

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(132, 193, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 193, 192) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 20.500, 196.328 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(132, 193, 192) }
```

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

```
.border{ border-color:rgb(132, 193, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 193, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 193, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 193, 192);  
box-shadow:4px 4px 4px 4px rgb(132, 193,  
192) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 20.500, 196.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 193, 192) }
```

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

```
.background{ background-color: rgb(132,  
193, 192) }
```

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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