

Converting Colors

CIELCh(74, 24.635, 193.744)

Have a look what the booklet for
CIELCh(74, 24.635, 193.744)
contains.

CIELCh(74, 24.640, 193.733)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(74, 24.640, 193.733)

Conversions

Conversions Part 1

Format	Color
Hex	78C3C0
RGB	120, 195, 192
RGB Percent	47%, 76%, 75%
CMY	0.5303, 0.2362, 0.2479
CMYK	0.39, 0.00, 0.02, 0.24
HSL	178°, 38%, 62%
HSV	178°, 39%, 76%
XYZ	36.6704, 46.7039, 56.8231
YIQ	172.2330, -43.7370, -16.8330

Conversions

Conversions Part 2

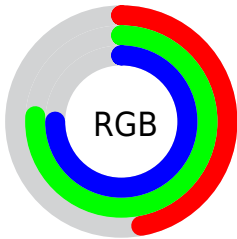
Format	Color
R _Y B	120, 158, 195
Decimal	7914432
CIE Lab	74.00, -23.94, -5.85
CIE LCh	74, 24.640, 193.733
Yxy	46.7039, 0.2616, 0.3331
Android (android.graphics.Color)	4286104512 (0xFF78C3C0)
YUV	172.2330, 9.7451, -45.8083
Hunter-Lab	68.3403, -23.8149, -1.4598

Details

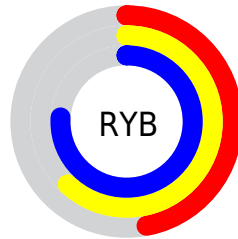
The CIELCh color **74, 24.640, 193.733** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **58, 31.610, 20.062**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 24.636, 193.041**, and **54, 24.619, 194.347** is the 20% darker color. If you saturate the color by 10%, you get **73, 29.633, 193.163**, and if you desaturate by 10%, it is **75, 18.959, 194.323**.

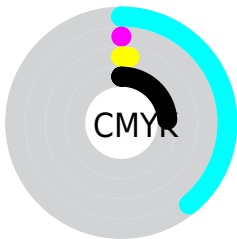
Distribution



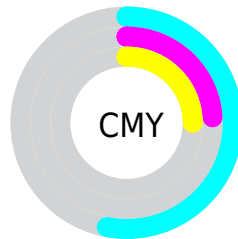
- Red (47%)
- Green (76%)
- Blue (75%)



- Red (47%)
- Yellow (62%)
- Blue (76%)



- Cyan (39%)
- Magenta (0%)
- Yellow (2%)
- Black (24%)





- Cyan (53%)
- Magenta (24%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 24.640, 193.733 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, 24.640, 193.733 by changing the saturation by 10% instead.

 74, 24.640,
193.733

 74, 24.640,
193.733


 100, 24.640,
193.733


 64, 24.640,
193.733


 94, 24.640,
193.733

 54, 24.640,
193.733

 44, 24.640,
193.733

 34, 24.640,
193.733

 24, 24.640,
193.733

 14, 24.640,
193.733

 4, 24.640, 193.733

0, 24.640, 193.733

74, 24.640,
193.733

74, 24.640,
193.733

73, 29.633,
193.163

75, 18.959,
194.323

72, 33.840,
192.617

76, 12.703,
194.945

72, 37.190,
192.087

77, 5.987, 195.620

79, 1.077, 15.678

72, 39.657,
191.563

81, 8.389, 16.770

71, 41.268,
191.034

82, 15.864, 17.467

71, 42.160,
190.492

84, 22.990, 18.050

■ 71, 42.273,
190.411

■ 84, 22.979, 17.041

■ 84, 22.975, 16.032

Harmonies

Complementary

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



74, 24.640, 193.733



58, 31.610, 20.062

Rectangle

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



74, 24.640, 193.733



74, 24.640, 243.733



74, 24.640, 13.733



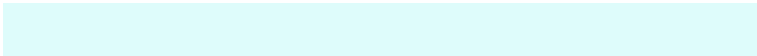
74, 24.640, 63.733

Sweetspot

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



74, 24.640, 193.730



97, 10.339, 195.360



73, 48.409, 140.451



52, 6.891, 195.270



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, 24.640, 193.730



93, 34.999, 193.263



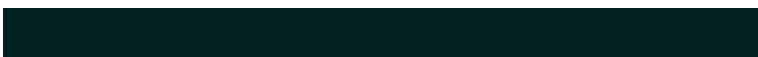
64, 22.460, 256.064



40, 3.967, 195.557



60, 36.629, 190.492



11, 12.727, 191.868

Inverse Universe

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



58, 31.610, 20.062



70, 47.718, 21.523



66, 25.946, 65.436



38, 4.189, 16.681



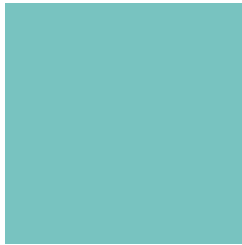
33, 72.159, 38.093



3, 14.017, 17.218

Previews

White Background



This preview shows how the CIE LCh color 74, 24.640, 193.733 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, 24.640, 193.733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

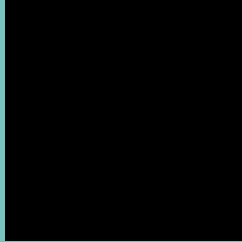
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

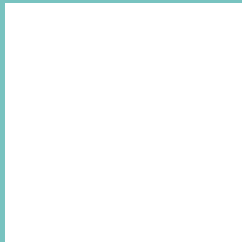
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 24.640, 193.733

Background



This preview shows how black text looks on a background with the CIELCh color 74, 24.640, 193.733.

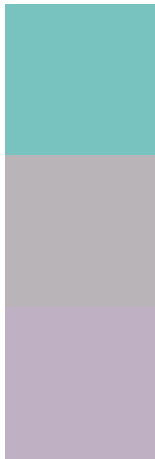


This preview shows how white text looks on a background with the CIELCh color 74, 24.640, 193.733.

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, 24.640, 193.733

Protanopia

74, 2.222, 332.341

Deuteranopia

74, 12.376, 319.243



Tritanopia
74, 22.824, 220.442

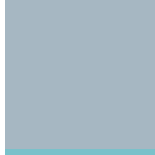
Trichromacy



Original Color
74, 24.640, 193.733



Protanomaly
73, 8.604, 202.408



Deuteranomaly
73, 8.365, 244.728

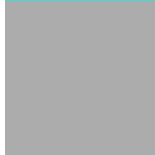


Tritanomaly
74, 23.032, 210.098

Monochromacy



Original Color
74, 24.640, 193.733



Achromatopsia
70, 0.009, 296.813



Achromatomaly
71, 9.746, 195.435

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 24.640, 193.733 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(120, 195, 192)` looks like.

```
.text, #text, p{  
    color:rgb(120, 195, 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(120, 195, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 195, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 24.640, 193.733 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(120, 195, 192) }
```

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

```
.border{ border-color:rgb(120, 195, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 195, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 195, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 195, 192);  
box-shadow:4px 4px 4px 4px rgb(120, 195,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 24.640, 193.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 195, 192) }
```

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

```
.background{ background-color: rgb(120,  
195, 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](#).

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