

Converting Colors

CIELCh(71, 21.138, 221.624)

Have a look what the booklet for
CIELCh(71, 21.138, 221.624)
contains.

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Color

CIELCh(71, 21.121, 222.676)

Conversions

Conversions Part 1

Format	Color
Hex	7AB7C7
RGB	122, 183, 199
RGB Percent	48%, 72%, 78%
CMY	0.5211, 0.2819, 0.2192
CMYK	0.39, 0.08, 0.00, 0.22
HSL	192°, 41%, 63%
HSV	192°, 39%, 78%
XYZ	35.3202, 42.1875, 60.3833
YIQ	166.5850, -41.4920, -7.9560

Conversions

Conversions Part 2

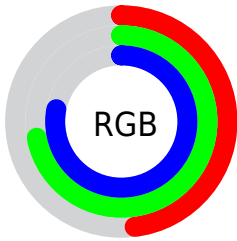
Format	Color
RYB	122, 156, 199
Decimal	8042439
CIELab	71.00, -15.53, -14.32
CIElCh	71, 21.121, 222.676
Yxy	42.1875, 0.2561, 0.3059
Android (android.graphics.Color)	4286232519 (0xFF7AB7C7)
YUV	166.5850, 15.9806, -39.1010
Hunter-Lab	64.9519, -16.5993, -9.6533

Details

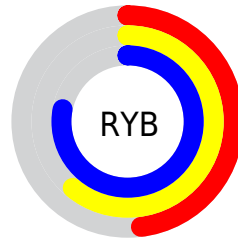
The CIELCh color **71, 21.121, 222.676** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **63, 27.817, 40.135**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 21.073, 221.621**, and **51, 21.118, 222.359** is the 20% darker color. If you saturate the color by 10%, you get **69, 25.382, 223.859**, and if you desaturate by 10%, it is **73, 16.281, 221.793**.

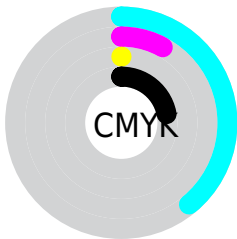
Distribution



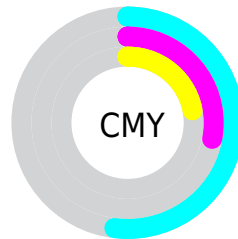
- Red (48%)
- Green (72%)
- Blue (78%)



- Red (48%)
- Yellow (61%)
- Blue (78%)



- Cyan (39%)
- Magenta (8%)
- Yellow (0%)
- Black (22%)





- Cyan (52%)
- Magenta (28%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 21.121, 222.676 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 71, 21.121, 222.676 by changing the saturation by 10% instead.


 71, 21.121,
222.676


 71, 21.121,
222.676


 100, 21.121,
222.676


 61, 21.121,
222.676


 91, 21.121,
222.676

 51, 21.121,
222.676

 41, 21.121,
222.676

 31, 21.121,
222.676

 21, 21.121,
222.676

 11, 21.121,
222.676

 1, 21.121, 222.676

0, 21.121, 222.676

71, 21.121,
222.676

71, 21.121,
222.676

69, 25.382,
223.859

73, 16.281,
221.793

67, 28.985,
225.422

76, 10.953,
221.163

65, 31.875,
227.445

78, 5.226, 220.760

81, 0.816, 39.686

63, 34.040,
230.013

83, 7.101, 40.077

62, 35.531,
233.200

86, 13.567, 40.008

61, 36.519,
236.980

88, 17.775, 42.574

■ 60, 36.647,
237.492

■ 89, 17.329, 50.842

■ 90, 17.264, 59.346

Harmonies

Complementary

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



71, 21.121, 222.676



63, 27.817, 40.135

Rectangle

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



71, 21.121, 222.676



71, 21.121, 272.676



71, 21.121, 42.676



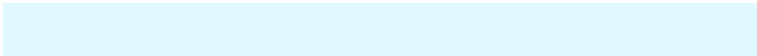
71, 21.121, 92.676

Sweetspot

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



71, 21.121, 222.673



96, 8.762, 220.872



74, 43.690, 147.388



51, 5.792, 220.923



0, 0.000, 0.000



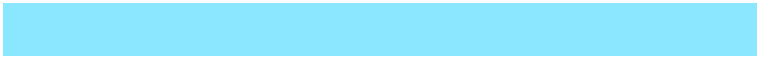
53, 0.007, 296.813

Same Dimension

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



71, 21.121, 222.673



87, 29.614, 223.594



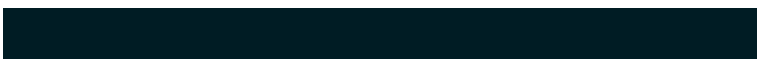
60, 30.946, 279.968



41, 3.409, 220.779



50, 31.562, 236.844



9, 11.147, 227.672

Inverse Universe

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



61, 43.595, 333.341



73, 62.687, 333.916



73, 30.673, 88.769



39, 6.390, 331.357



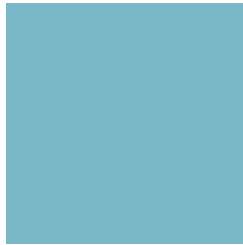
37, 70.561, 338.516



4, 22.292, 335.411

Previews

White Background



This preview shows how the CIELCh color 71, 21.121, 222.676 looks on a white background.

Color Contrast Check

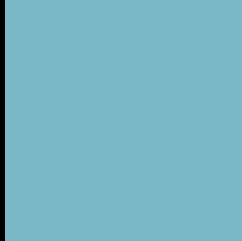
Large Text (above 18pt) WCAG AA × Fail

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 71, 21.121, 222.676 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 71, 21.121, 222.676

Background



This preview shows how black text looks on a background with the CIELCh color 71, 21.121, 222.676.



This preview shows how white text looks on a background with the CIELCh color 71, 21.121, 222.676.

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

71, 21.121, 222.676

Protanopia

71, 10.935, 289.385

Deuteranopia

71, 18.278, 299.653



Tritanopia
71, 20.977, 221.197

Trichromacy



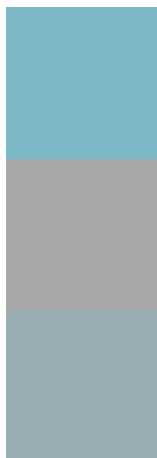
Original Color
71, 21.121, 222.676

Protanomaly
71, 12.872, 253.075

Deuteranomaly
71, 15.812, 268.746

Tritanomaly
71, 20.977, 221.197

Monochromacy



Original Color
71, 21.121, 222.676

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 8.466, 221.823

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 21.121, 222.676 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(122, 183, 199)` looks like.

```
.text, #text, p{  
    color:rgb(122, 183, 199)  
}
```

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(122, 183, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 183, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 21.121, 222.676 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(122, 183, 199) }
```

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

```
.border{ border-color:rgb(122, 183, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 183, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 183, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 183, 199);  
box-shadow:4px 4px 4px 4px rgb(122, 183,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 21.121, 222.676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 183, 199) }
```

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

```
.background{ background-color: rgb(122,  
183, 199) }
```

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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