

Converting Colors

CIELCh(71, 22.754, 197.688)

Have a look what the booklet for
CIELCh(71, 22.754, 197.688)
contains.

CIELCh(71, 23.013, 197.620)	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(71, 23.013, 197.620)

Conversions

Conversions Part 1

Format	Color
Hex	74BABA
RGB	116, 186, 186
RGB Percent	45%, 73%, 73%
CMY	0.5465, 0.2720, 0.2720
CMYK	0.38, 0.00, 0.00, 0.27
HSL	180°, 34%, 59%
HSV	180°, 38%, 73%
XYZ	33.4656, 42.1875, 52.6366
YIQ	165.0700, -41.7200, -14.8400

Conversions

Conversions Part 2

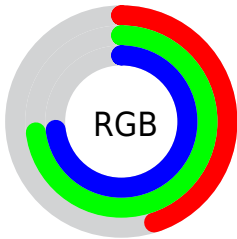
Format	Color
R _Y B	116, 151, 186
Decimal	7649978
CIE Lab	71.00, -21.93, -6.97
CIE LCh	71, 23.013, 197.620
Yxy	42.1875, 0.2609, 0.3288
Android (android.graphics.Color)	4285840058 (0xFF74BABA)
YUV	165.0700, 10.3185, -43.0344
Hunter-Lab	64.9519, -21.6961, -2.5819

Details

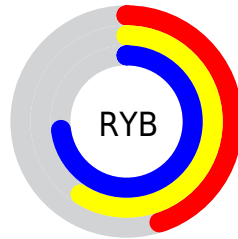
The CIELCh color **71, 23.013, 197.620** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56, 29.919, 22.904**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 22.948, 197.945**, and **51, 23.107, 197.122** is the 20% darker color. If you saturate the color by 10%, you get **70, 27.741, 197.256**, and if you desaturate by 10%, it is **72, 17.610, 198.039**.

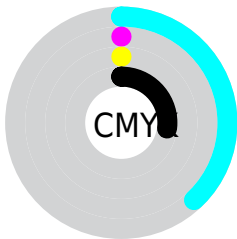
Distribution



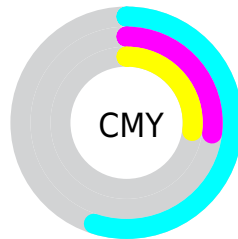
- Red (45%)
- Green (73%)
- Blue (73%)



- Red (45%)
- Yellow (59%)
- Blue (73%)



- Cyan (38%)
- Magenta (0%)
- Yellow (0%)
- Black (27%)





- Cyan (55%)
- Magenta (27%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 23.013, 197.620 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, 23.013, 197.620 by changing the saturation by 10% instead.


 71, 23.013,
197.620


 71, 23.013,
197.620


 100, 23.013,
197.620


 61, 23.013,
197.620


 91, 23.013,
197.620

 51, 23.013,
197.620

 41, 23.013,
197.620

 31, 23.013,
197.620

 21, 23.013,
197.620

 11, 23.013,
197.620

 1, 23.013, 197.620

0, 23.013, 197.620

71, 23.013,
197.620

71, 23.013,
197.620

70, 27.741,
197.256

72, 17.610,
198.039

70, 31.704,
196.958

73, 11.637,
198.521

69, 34.839,
196.725

74, 5.203, 199.087

76, 1.588, 19.205

69, 37.125,
196.557

77, 8.639, 20.049

69, 38.588,
196.450

79, 15.869, 20.673

68, 39.344,
196.395

81, 23.208, 21.295

■ 68, 39.481,
196.385

■ 82, 26.945, 21.611

■ 82, 26.945, 21.611

Harmonies

Complementary

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



71, 23.013, 197.620



56, 29.919, 22.904

Rectangle

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



71, 23.013, 197.620



71, 23.013, 247.620



71, 23.013, 17.620



71, 23.013, 67.620

Sweetspot

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



71, 23.013, 197.617



94, 9.143, 198.874



69, 46.090, 141.294



50, 6.171, 198.797



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



71, 23.013, 197.617



89, 32.815, 197.321



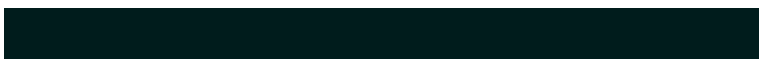
61, 21.887, 259.816



38, 3.777, 198.984



58, 34.644, 196.385



8, 10.518, 197.738

Inverse Universe

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



56, 29.919, 22.904



68, 45.504, 24.227



64, 24.611, 69.042



36, 4.004, 19.915



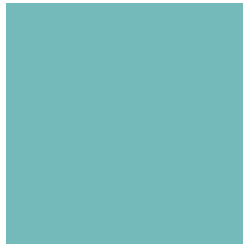
32, 71.870, 39.598



2, 10.638, 19.404

Previews

White Background



This preview shows how the CIELCh color 71, 23.013, 197.620 looks on a white background.

Color Contrast Check

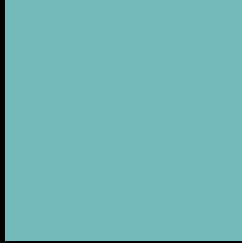
Large Text (above 18pt) WCAG AA × Fail

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, 23.013, 197.620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

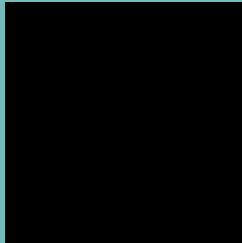
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

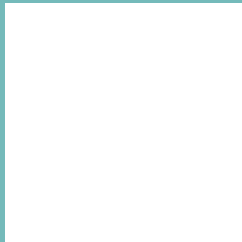
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 23.013, 197.620

Background



This preview shows how black text looks on a background with the CIELCh color 71, 23.013, 197.620.

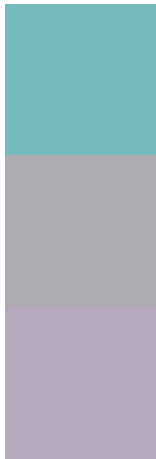


This preview shows how white text looks on a background with the CIELCh color 71, 23.013, 197.620.

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](#).

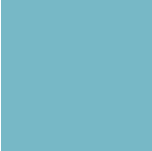
Dichromacy



Original Color
71, 23.013, 197.620

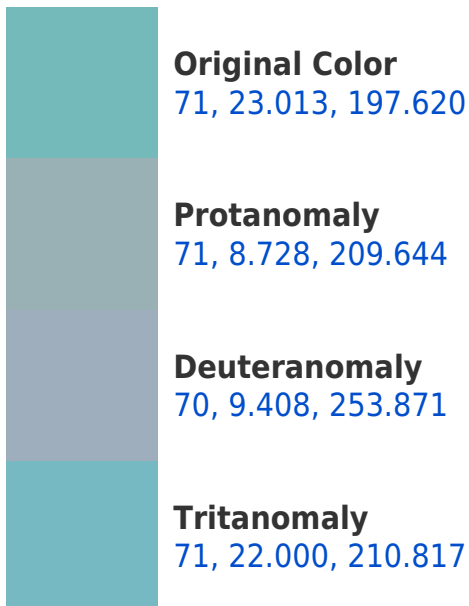
Protanopia
71, 2.972, 312.552

Deuteranopia
71, 12.642, 315.116



Tritanopia
71, 21.859, 218.563

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 23.013, 197.620 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(116, 186, 186)` looks like.

```
.text, #text, p{  
    color:rgb(116, 186, 186)  
}
```

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(116, 186, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 186, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 23.013, 197.620 is called "border". The border property can be set on classes, ids or directly on the HTML element.

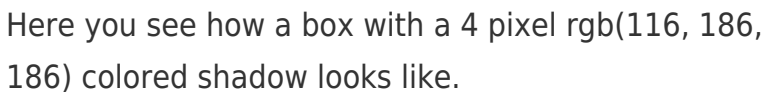
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 186, 186) }
```

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

```
.border{ border-color:rgb(116, 186, 186) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 186, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 186, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 186, 186); box-shadow:4px 4px 4px 4px rgb(116, 186, 186) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 23.013, 197.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 186, 186) }
```

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

```
.background{ background-color: rgb(116,  
186, 186) }
```

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