

Converting Colors

CIELCh(71, 22.177, 190.526)

Have a look what the booklet for
CIELCh(71, 22.177, 190.526)
contains.

CIELCh(71, 22.177, 190.526)	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, 22.177, 190.526)

Conversions

Conversions Part 1

Format	Color
Hex	78B9B4
RGB	120, 185, 180
RGB Percent	47%, 73%, 71%
CMY	0.5279, 0.2730, 0.2926
CMYK	0.35, 0.00, 0.03, 0.27
HSL	175°, 32%, 60%
HSV	175°, 35%, 73%
XYZ	33.5024, 42.1875, 49.7584
YIQ	164.9950, -37.1350, -15.3350

Conversions

Conversions Part 2

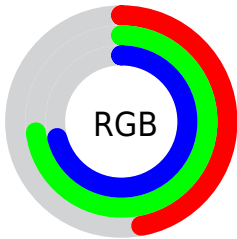
Format	Color
R_{YB}	120, 154, 185
Decimal	7911860
CIE _{Lab}	71.00, -21.80, -4.05
CIE _{LCh}	71, 22.177, 190.526
Yxy	42.1875, 0.2671, 0.3363
Android (android.graphics.Color)	4286101940 (0xFF78B9B4)
YUV	164.9950, 7.3975, -39.4606
Hunter-Lab	64.9519, -21.5949, 0.0454

Details

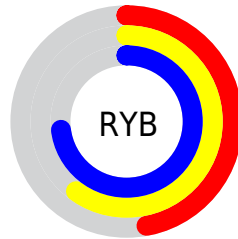
The CIELCh color **71, 22.177, 190.526** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57, 27.241, 16.700**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 21.961, 191.161**, and **51, 22.374, 189.594** is the 20% darker color. If you saturate the color by 10%, you get **70, 27.370, 189.793**, and if you desaturate by 10%, it is **72, 16.389, 191.252**.

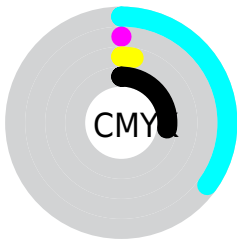
Distribution



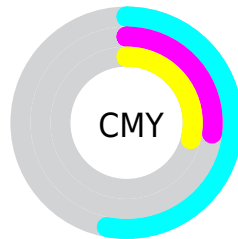
- Red (47%)
- Green (73%)
- Blue (71%)



- Red (47%)
- Yellow (60%)
- Blue (73%)



- Cyan (35%)
- Magenta (0%)
- Yellow (3%)
- Black (27%)





- Cyan (53%)
- Magenta (27%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 22.177, 190.526 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, 22.177, 190.526 by changing the saturation by 10% instead.


 71, 22.177,
190.526


 71, 22.177,
190.526


 100, 22.177,
190.526


 61, 22.177,
190.526


 91, 22.177,
190.526


 51, 22.177,
190.526

 41, 22.177,
190.526

 31, 22.177,
190.526

 21, 22.177,
190.526

 11, 22.177,
190.526

 1, 22.177, 190.526

0, 22.177, 190.526

71, 22.177,
190.526

71, 22.177,
190.526

70, 27.370,
189.793

72, 16.389,
191.252

69, 31.863,
189.052

73, 10.118,
191.991

69, 35.574,
188.291

75, 3.474, 192.808

76, 3.440, 13.232

68, 38.453,
187.496

78, 10.534, 14.050

68, 40.499,
186.650

79, 17.735, 14.784

68, 41.774,
185.741

81, 24.982, 15.502

■ 68, 42.249,
185.282

■ 82, 26.885, 14.516

■ 82, 26.907, 12.929

Harmonies

Complementary

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



71, 22.177, 190.526



57, 27.241, 16.700

Rectangle

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



71, 22.177, 190.526



71, 22.177, 240.526



71, 22.177, 10.526



71, 22.177, 60.526

Sweetspot

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



71, 22.177, 190.523



94, 9.260, 192.288



70, 42.010, 139.956



50, 6.254, 192.183



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, 22.177, 190.523



90, 32.027, 189.966



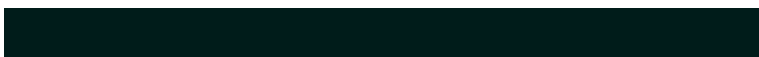
63, 19.205, 251.118



38, 3.822, 192.434



58, 37.072, 185.419



8, 10.796, 189.124

Inverse Universe

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



57, 27.241, 16.700



69, 41.393, 17.973



64, 22.319, 62.240



36, 4.018, 13.689



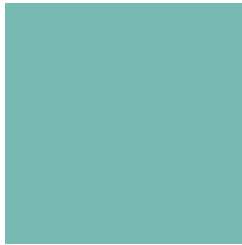
32, 68.993, 36.386



2, 10.685, 14.729

Previews

White Background



This preview shows how the CIELCh color 71, 22.177, 190.526 looks on a white background.

Color Contrast Check

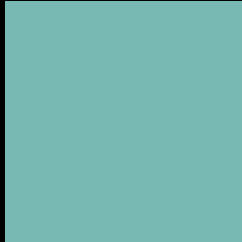
Large Text (above 18pt) WCAG AA × Fail

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, 22.177, 190.526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

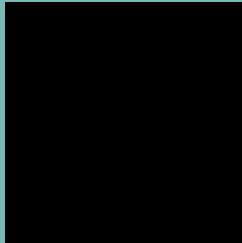
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 22.177, 190.526

Background



This preview shows how black text looks on a background with the CIELCh color 71, 22.177, 190.526.

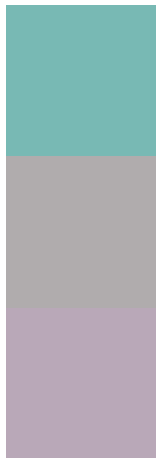


This preview shows how white text looks on a background with the CIELCh color 71, 22.177, 190.526.

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, 22.177, 190.526

Protanopia

71, 1.611, 359.444

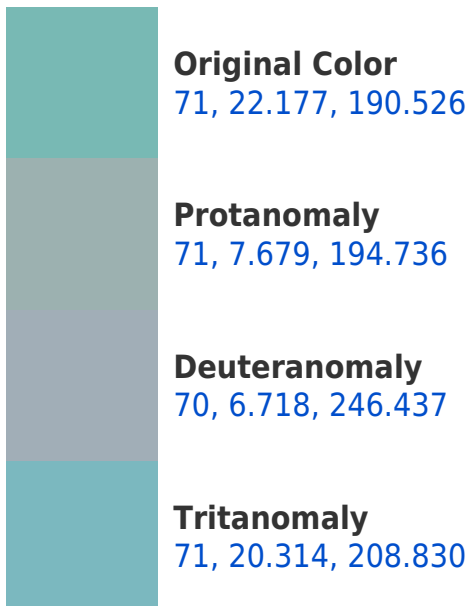
Deuteranopia

71, 10.834, 326.548



Tritanopia
71, 20.072, 220.630

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 22.177, 190.526 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, 185, 180)` looks like.

```
.text, #text, p{  
    color:rgb(120, 185, 180)  
}
```

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, 185, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 185, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 22.177, 190.526 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, 185, 180) }
```

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

```
.border{ border-color:rgb(120, 185, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 185, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 185, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 185, 180);  
box-shadow:4px 4px 4px 4px rgb(120, 185,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 22.177, 190.526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 185, 180) }
```

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

```
.background{ background-color: rgb(120,  
185, 180) }
```

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