

Converting Colors

CIELCh(71, 18.434, 218.147)

Have a look what the booklet for
CIELCh(71, 18.434, 218.147)
contains.

CIELCh(71, 18.486, 219.068)	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, 18.486, 219.068)

Conversions

Conversions Part 1

Format	Color
Hex	81B6C2
RGB	129, 182, 194
RGB Percent	51%, 71%, 76%
CMY	0.4929, 0.2850, 0.2380
CMYK	0.33, 0.06, 0.00, 0.24
HSL	191°, 35%, 63%
HSV	191°, 33%, 76%
XYZ	35.6679, 42.1875, 57.4914
YIQ	167.5210, -35.4400, -7.5040

Conversions

Conversions Part 2

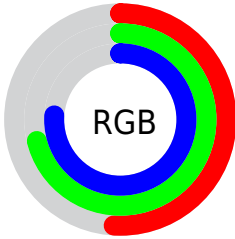
Format	Color
R _Y B	129, 158, 194
Decimal	8500930
CIE Lab	71.00, -14.35, -11.65
CIE LCh	71, 18.486, 219.068
Yxy	42.1875, 0.2635, 0.3117
Android (android.graphics.Color)	4286691010 (0xFF81B6C2)
YUV	167.5210, 13.0541, -33.7829
Hunter-Lab	64.9519, -15.6438, -7.0135

Details

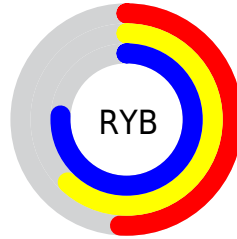
The CIELCh color **71, 18.486, 219.068** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **64, 23.407, 37.773**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 18.380, 218.289**, and **51, 18.524, 218.222** is the 20% darker color. If you saturate the color by 10%, you get **69, 22.989, 219.901**, and if you desaturate by 10%, it is **73, 13.441, 218.474**.

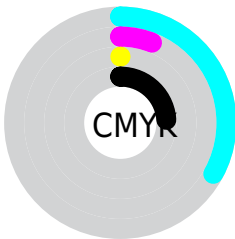
Distribution



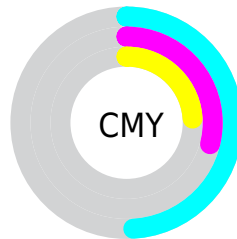
- Red (51%)
- Green (71%)
- Blue (76%)



- Red (51%)
- Yellow (62%)
- Blue (76%)



- Cyan (33%)
- Magenta (6%)
- Yellow (0%)
- Black (24%)





- Cyan (49%)
- Magenta (29%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 18.486, 219.068 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, 18.486, 219.068 by changing the saturation by 10% instead.


 71, 18.486,
219.068


 71, 18.486,
219.068


 100, 18.486,
219.068


 61, 18.486,
219.068


 91, 18.486,
219.068

 51, 18.486,
219.068

 41, 18.486,
219.068

 31, 18.486,
219.068

 21, 18.486,
219.068

 11, 18.486,
219.068

 1, 18.486, 219.068

■ 0, 18.486, 219.068

■ 71, 18.486,
219.068

■ 71, 18.486,
219.068

■ 69, 22.989,
219.901

■ 73, 13.441,
218.474

■ 67, 26.860,
221.042

■ 75, 7.947, 218.093

■ 65, 30.026,
222.556

■ 78, 2.092, 218.022

■ 80, 4.043, 37.491

■ 64, 32.446,
224.521

■ 83, 10.391, 37.520

■ 62, 34.127,
227.013

■ 85, 16.892, 37.556

■ 87, 19.609, 40.856

■ 61, 35.146,
230.094

■ 88, 19.110, 47.285

■ 60, 35.604,
232.344

■ 89, 18.869, 53.962

Harmonies

Complementary

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



71, 18.486, 219.068



64, 23.407, 37.773

Rectangle

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



71, 18.486, 219.068



71, 18.486, 269.068



71, 18.486, 39.068



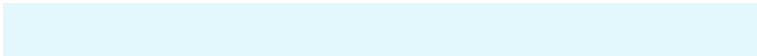
71, 18.486, 89.068

Sweetspot

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



71, 18.486, 219.064



96, 7.370, 218.013



73, 37.630, 147.379



51, 5.050, 218.044



0, 0.000, 0.000



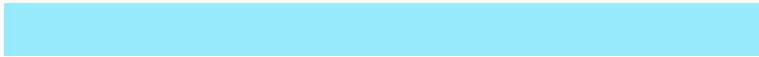
53, 0.007, 296.813

Same Dimension

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



71, 18.486, 219.064



88, 26.516, 219.637



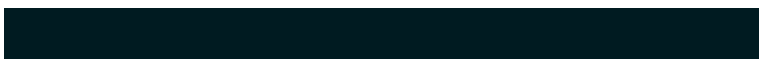
62, 25.561, 277.668



40, 3.378, 217.999



50, 30.898, 231.780



8, 10.456, 224.443

Inverse Universe

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



62, 37.720, 332.109



75, 55.427, 332.592



72, 25.563, 88.168



38, 6.358, 330.539



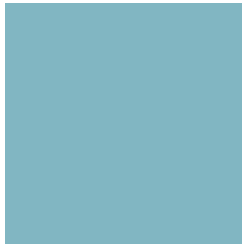
36, 70.965, 337.120



4, 20.330, 333.767

Previews

White Background



This preview shows how the CIELCh color 71, 18.486, 219.068 looks on a white background.

Color Contrast Check

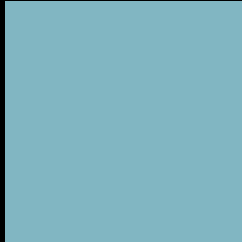
Large Text (above 18pt) WCAG AA × Fail

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, 18.486, 219.068 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, 18.486, 219.068

Background



This preview shows how black text looks on a background with the CIELCh color 71, 18.486, 219.068.

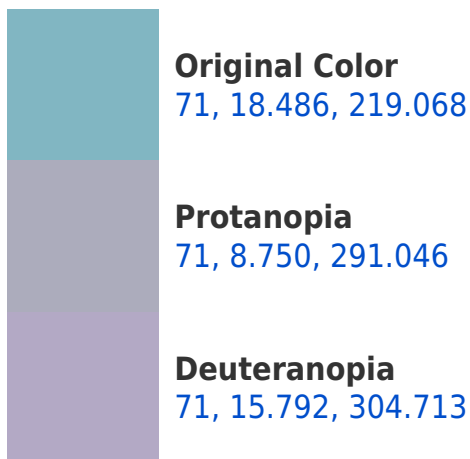


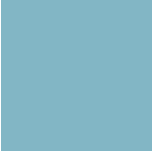
This preview shows how white text looks on a background with the CIELCh color 71, 18.486, 219.068.

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
71, 18.669, 224.432

Trichromacy



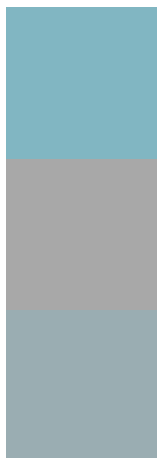
Original Color
71, 18.486, 219.068

Protanomaly
71, 10.242, 247.558

Deuteranomaly
71, 12.734, 270.496

Tritanomaly
71, 18.503, 222.786

Monochromacy



Original Color
71, 18.486, 219.068

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 7.326, 220.986

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 18.486, 219.068 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(129, 182, 194)` looks like.

```
.text, #text, p{  
    color:rgb(129, 182, 194)  
}
```

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(129, 182, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 182, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 18.486, 219.068 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(129, 182, 194) }
```

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

```
.border{ border-color:rgb(129, 182, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 182, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 182, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 182, 194);  
box-shadow:4px 4px 4px 4px rgb(129, 182,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 18.486, 219.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 182, 194) }
```

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

```
.background{ background-color: rgb(129,  
182, 194) }
```

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