

Converting Colors

CIELCh(71, 31.725, 203.104)

Have a look what the booklet for
CIELCh(71, 31.725, 203.104)
contains.

CIELCh(71, 31.606, 203.071)	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, 31.606, 203.071)

Conversions

Conversions Part 1

Format	Color
Hex	50BDC3
RGB	80, 189, 195
RGB Percent	31%, 74%, 76%
CMY	0.6850, 0.2577, 0.2342
CMYK	0.59, 0.03, 0.00, 0.23
HSL	183°, 49%, 54%
HSV	183°, 59%, 77%
XYZ	31.4748, 42.1875, 58.2790
YIQ	157.0930, -66.8900, -21.2420

Conversions

Conversions Part 2

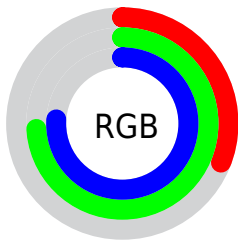
Format	Color
RYB	80, 136, 195
Decimal	5291459
CIELab	71.00, -29.08, -12.39
CIELCh	71, 31.606, 203.071
Yxy	42.1875, 0.2386, 0.3197
Android (android.graphics.Color)	4283481539 (0xFF50BDC3)
YUV	157.0930, 18.6882, -67.6106
Hunter-Lab	64.9519, -27.1673, -7.7324

Details

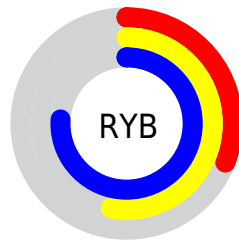
The CIELCh color **71, 31.606, 203.071** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **51, 49.896, 30.092**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 31.730, 203.137**, and **51, 30.478, 203.209** is the 20% darker color. If you saturate the color by 10%, you get **70, 34.516, 203.307**, and if you desaturate by 10%, it is **72, 27.842, 202.977**.

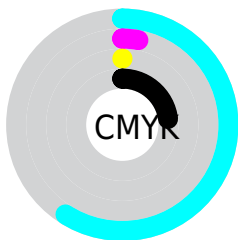
Distribution



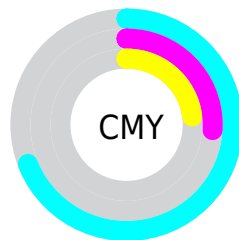
- Red (31%)
- Green (74%)
- Blue (76%)



- Red (31%)
- Yellow (53%)
- Blue (76%)



- Cyan (59%)
- Magenta (3%)
- Yellow (0%)
- Black (23%)





- Cyan (69%)
- Magenta (26%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 31.606, 203.071 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, 31.606, 203.071 by changing the saturation by 10% instead.


 71, 31.606,
203.071


 71, 31.606,
203.071


 100, 31.606,
203.071


 61, 31.606,
203.071


 91, 31.606,
203.071

 51, 31.606,
203.071

 41, 31.606,
203.071

 31, 31.606,
203.071

 21, 31.606,
203.071

 11, 31.606,
203.071

 1, 31.606, 203.071

0, 31.606, 203.071

71, 31.606,
203.071

71, 31.606,
203.071

70, 34.516,
203.307

72, 27.842,
202.977

70, 36.548,
203.706

73, 23.292,
203.013

69, 37.730,
204.281

74, 18.047,
203.160

69, 38.211,
205.021

76, 12.216,
203.405

69, 38.252,
205.108

77, 5.908, 203.758

79, 0.773, 23.325

81, 7.734, 24.371

■ 83, 14.892, 24.851

■ 85, 21.760, 25.385

Harmonies

Complementary

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



71, 31.606, 203.071



51, 49.896, 30.092

Rectangle

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



71, 31.606, 203.071



71, 31.606, 253.071



71, 31.606, 23.071



71, 31.606, 73.071

Sweetspot

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



71, 31.606, 203.069



96, 14.501, 203.422



71, 70.473, 140.618



51, 9.981, 203.338



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, 31.606, 203.069



89, 43.121, 203.419



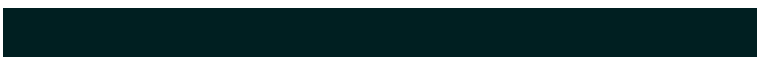
54, 38.192, 272.753



40, 3.749, 203.737



57, 33.128, 204.974



10, 11.734, 202.959

Inverse Universe

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



53, 69.507, 329.020



64, 98.313, 329.575



63, 42.739, 72.822



38, 6.974, 326.369



38, 78.561, 330.397



4, 23.075, 328.130

Previews

White Background



This preview shows how the CIELCh color 71, 31.606, 203.071 looks on a white background.

Color Contrast Check

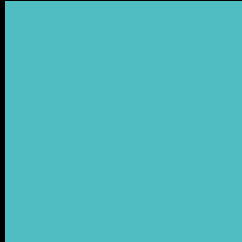
Large Text (above 18pt) WCAG AA × Fail

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, 31.606, 203.071 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

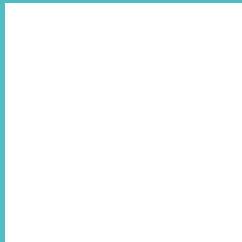
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 31.606, 203.071

Background



This preview shows how black text looks on a background with the CIELCh color 71, 31.606, 203.071.

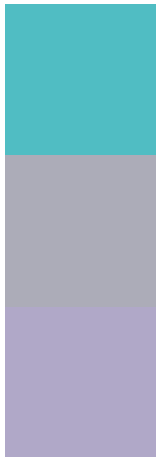


This preview shows how white text looks on a background with the CIELCh color 71, 31.606, 203.071.

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](#).

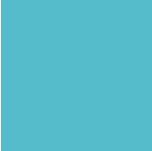
Dichromacy



Original Color
71, 31.606, 203.071

Protanopia
71, 6.565, 290.835

Deuteranopia
70, 17.812, 300.993



Tritanopia
71, 30.508, 213.018

Trichromacy



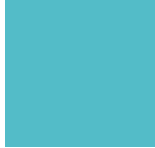
Original Color
71, 31.606, 203.071



Protanomaly
70, 14.281, 221.116



Deuteranomaly
70, 16.490, 245.982



Tritanomaly
71, 30.647, 209.692

Monochromacy



Original Color
71, 31.606, 203.071



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 14.077, 202.795

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 31.606, 203.071 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(80, 189, 195)` looks like.

```
.text, #text, p{  
    color:rgb(80, 189, 195)  
}
```

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(80, 189, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 189, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 31.606, 203.071 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(80, 189, 195) }
```

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

```
.border{ border-color:rgb(80, 189, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 189, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 189, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 189, 195);  
box-shadow:4px 4px 4px 4px rgb(80, 189,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 31.606, 203.071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 189, 195) }
```

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

```
.background{ background-color: rgb(80, 189,  
195) }
```

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