

Converting Colors

CIELCh(71, 31.403, 203.282)

Have a look what the booklet for
CIELCh(71, 31.403, 203.282)
contains.

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Color

CIELCh(71, 31.419, 203.120)

Conversions

Conversions Part 1

Format	Color
Hex	51BDC3
RGB	81, 189, 195
RGB Percent	32%, 74%, 76%
CMY	0.6814, 0.2580, 0.2345
CMYK	0.58, 0.03, 0.00, 0.23
HSL	183°, 49%, 54%
HSV	183°, 58%, 77%
XYZ	31.5246, 42.1875, 58.2267
YIQ	157.3920, -66.2940, -21.0300

Conversions

Conversions Part 2

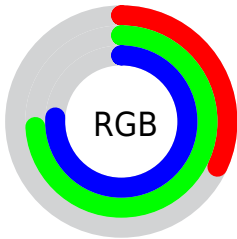
Format	Color
R_{YB}	81, 136, 195
Decimal	5356995
CIE _{Lab}	71.00, -28.90, -12.34
CIE _{LCh}	71, 31.419, 203.120
Yxy	42.1875, 0.2389, 0.3198
Android (android.graphics.Color)	4283547075 (0xFF51BDC3)
YUV	157.3920, 18.5407, -66.9958
Hunter-Lab	64.9519, -27.0303, -7.6847

Details

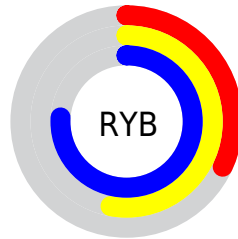
The CIELCh color **71, 31.419, 203.120** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **51, 49.389, 30.019**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 31.497, 203.193**, and **51, 30.478, 203.209** is the 20% darker color. If you saturate the color by 10%, you get **70, 34.368, 203.353**, and if you desaturate by 10%, it is **72, 27.619, 203.029**.

Distribution



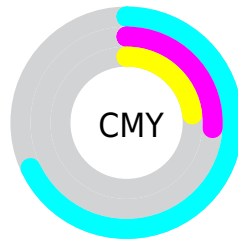
- Red (32%)
- Green (74%)
- Blue (76%)



- Red (32%)
- Yellow (53%)
- Blue (76%)



- Cyan (58%)
- Magenta (3%)
- Yellow (0%)
- Black (23%)





- Cyan (68%)
- Magenta (26%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 31.419, 203.120 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, 31.419, 203.120 by changing the saturation by 10% instead.


 71, 31.419,
203.120


 71, 31.419,
203.120


 100, 31.419,
203.120


 61, 31.419,
203.120


 91, 31.419,
203.120

 51, 31.419,
203.120

 41, 31.419,
203.120

 31, 31.419,
203.120

 21, 31.419,
203.120

 11, 31.419,
203.120

 1, 31.419, 203.120

0, 31.419, 203.120

71, 31.419,
203.120

71, 31.419,
203.120

70, 34.368,
203.353

72, 27.619,
203.029

70, 36.440,
203.749

73, 23.036,
203.068

69, 37.660,
204.322

74, 17.765,
203.217

69, 38.162,
205.064

76, 11.913,
203.465

68, 38.220,
205.189

77, 5.590, 203.823

79, 1.102, 23.596

81, 8.068, 24.435

■ 83, 15.229, 24.913

■ 85, 21.770, 25.487

Harmonies

Complementary

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



71, 31.419, 203.120



51, 49.389, 30.019

Rectangle

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



71, 31.419, 203.120



71, 31.419, 253.120



71, 31.419, 23.120



71, 31.419, 73.120

Sweetspot

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



71, 31.419, 203.118



96, 14.494, 203.468



71, 69.956, 140.677



51, 9.976, 203.384



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, 31.419, 203.118



89, 42.824, 203.444



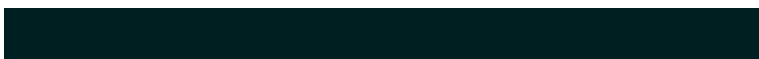
54, 37.869, 272.600



40, 3.748, 203.780



57, 33.111, 205.055



10, 11.728, 203.020

Inverse Universe

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



53, 69.004, 329.012



64, 97.417, 329.552



63, 42.349, 72.891



38, 6.971, 326.382



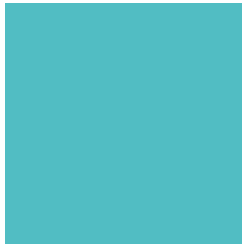
38, 78.533, 330.417



4, 23.065, 328.146

Previews

White Background



This preview shows how the CIELCh color 71, 31.419, 203.120 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, 31.419, 203.120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

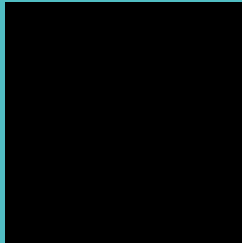
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

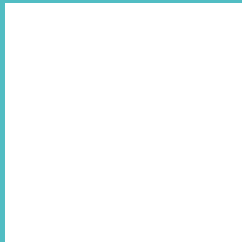
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 31.419, 203.120

Background



This preview shows how black text looks on a background with the CIELCh color 71, 31.419, 203.120.

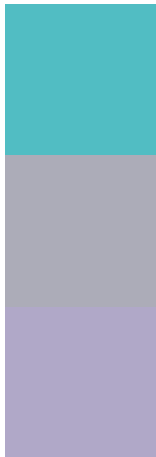


This preview shows how white text looks on a background with the CIELCh color 71, 31.419, 203.120.

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](#).

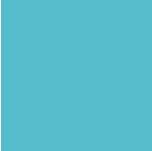
Dichromacy



Original Color
71, 31.419, 203.120

Protanopia
71, 6.565, 290.835

Deuteranopia
70, 17.812, 300.993



Tritanopia
71, 30.324, 213.128

Trichromacy



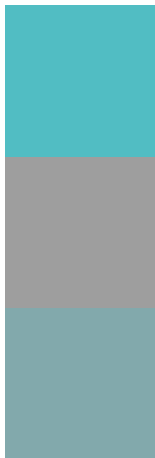
Original Color
71, 31.419, 203.120

Protanomaly
70, 14.281, 221.116

Deuteranomaly
70, 16.280, 246.796

Tritanomaly
71, 30.461, 209.782

Monochromacy



Original Color
71, 31.419, 203.120

Achromatopsia
65, 0.008, 296.813

Achromatomaly
67, 13.754, 205.271

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 31.419, 203.120 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(81, 189, 195)` looks like.

```
.text, #text, p{  
    color:rgb(81, 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(81, 189, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 189, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 31.419, 203.120 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(81, 189, 195) }
```

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

```
.border{ border-color:rgb(81, 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(81, 189, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 189, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 189, 195);  
box-shadow:4px 4px 4px 4px rgb(81, 189,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 31.419, 203.120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 189, 195) }
```

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

```
.background{ background-color: rgb(81, 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](#).

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