

Converting Colors

CIELCh(71, 31.184, 208.752)

Have a look what the booklet for
CIELCh(71, 31.184, 208.752)
contains.

CIELCh(71, 31.230, 208.361)	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, 31.230, 208.361)

Conversions

Conversions Part 1

Format	Color
Hex	51BDC8
RGB	81, 189, 200
RGB Percent	32%, 74%, 78%
CMY	0.6834, 0.2598, 0.2166
CMYK	0.60, 0.06, 0.00, 0.22
HSL	186°, 52%, 55%
HSV	186°, 60%, 78%
XYZ	31.9126, 42.1875, 60.9563
YIQ	157.9620, -67.8990, -19.4750

Conversions

Conversions Part 2

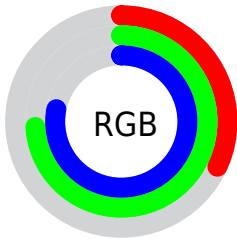
Format	Color
R_{YB}	81, 138, 200
Decimal	5357000
CIE _{Lab}	71.00, -27.48, -14.84
CIE _{LCh}	71, 31.230, 208.361
Yxy	42.1875, 0.2363, 0.3124
Android (android.graphics.Color)	4283547080 (0xFF51BDC8)
YUV	157.9620, 20.7247, -67.4957
Hunter-Lab	64.9519, -25.9641, -10.1764

Details

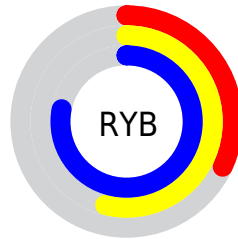
The CIELCh color **71, 31.230, 208.361** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **52, 50.167, 32.754**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 31.416, 206.127**, and **51, 30.142, 209.098** is the 20% darker color. If you saturate the color by 10%, you get **70, 34.000, 209.037**, and if you desaturate by 10%, it is **72, 27.608, 207.906**.

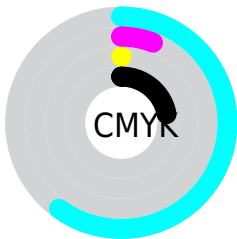
Distribution



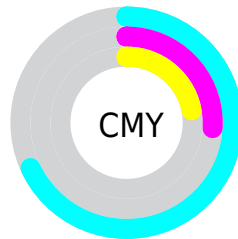
- Red (32%)
- Green (74%)
- Blue (78%)



- Red (32%)
- Yellow (54%)
- Blue (78%)



- Cyan (60%)
- Magenta (6%)
- Yellow (0%)
- Black (22%)





- Cyan (68%)
- Magenta (26%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 31.230, 208.361 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, 31.230, 208.361 by changing the saturation by 10% instead.


 71, 31.230,
208.361


 71, 31.230,
208.361


 100, 31.230,
208.361


 61, 31.230,
208.361


 91, 31.230,
208.361

 51, 31.230,
208.361

 41, 31.230,
208.361

 31, 31.230,
208.361

 21, 31.230,
208.361

 11, 31.230,
208.361

 1, 31.230, 208.361

0, 31.230, 208.361

71, 31.230,
208.361

71, 31.230,
208.361

70, 34.000,
209.037

72, 27.608,
207.906

69, 35.895,
209.974

74, 23.201,
207.644

68, 36.948,
211.203

75, 18.103,
207.540

68, 37.335,
212.708

77, 12.420,
207.573

68, 37.347,
212.772

79, 6.259, 207.738

81, 0.277, 25.845

83, 7.098, 28.040

■ 85, 14.126, 28.393

■ 87, 19.157, 29.487

Harmonies

Complementary

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



71, 31.230, 208.361



52, 50.167, 32.754

Rectangle

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



71, 31.230, 208.361



71, 31.230, 258.361



71, 31.230, 28.361



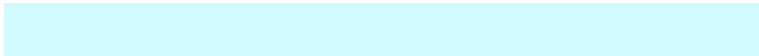
71, 31.230, 78.361

Sweetspot

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



71, 31.230, 208.359



96, 13.975, 207.587



72, 70.982, 141.389



51, 9.619, 207.559



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, 31.230, 208.359



87, 41.768, 209.329



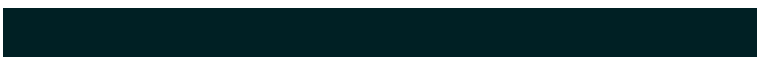
54, 41.333, 276.149



41, 3.692, 207.744



56, 32.180, 212.506



10, 11.864, 208.607

Inverse Universe

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



54, 69.568, 330.420



63, 96.467, 331.093



66, 44.642, 75.804



39, 6.930, 327.554



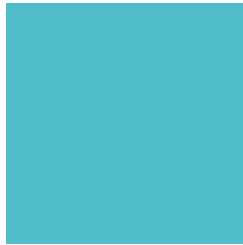
38, 77.025, 332.248



4, 24.693, 330.275

Previews

White Background



This preview shows how the CIELCh color 71, 31.230, 208.361 looks on a white background.

Color Contrast Check

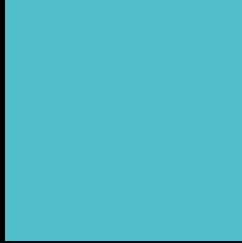
Large Text (above 18pt) WCAG AA × Fail

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, 31.230, 208.361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

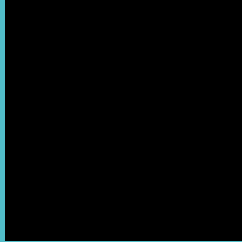
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

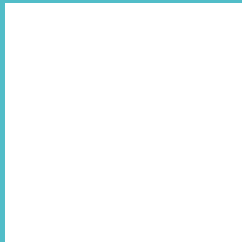
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 31.230, 208.361

Background



This preview shows how black text looks on a background with the CIELCh color 71, 31.230, 208.361.

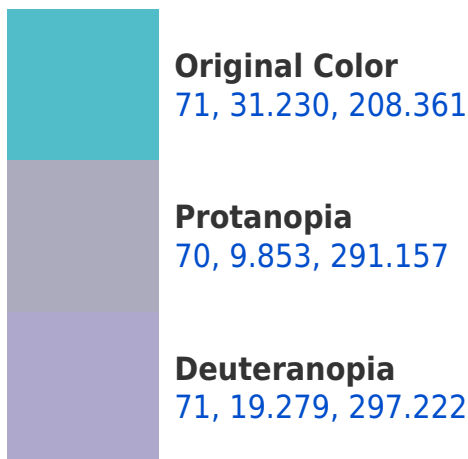


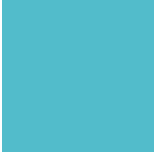
This preview shows how white text looks on a background with the CIELCh color 71, 31.230, 208.361.

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, 30.869, 212.805

Trichromacy



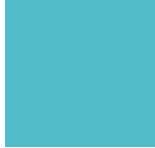
Original Color
71, 31.230, 208.361



Protanomaly
70, 15.547, 233.060



Deuteranomaly
70, 18.191, 250.642



Tritanomaly
71, 30.847, 211.739

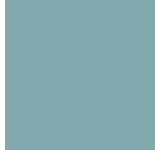
Monochromacy



Original Color
71, 31.230, 208.361



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 13.776, 207.610

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 31.230, 208.361 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(81, 189, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 189, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 31.230, 208.361 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, 200) }
```

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

```
.border{ border-color:rgb(81, 189, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 189, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 189, 200);  
box-shadow:4px 4px 4px 4px rgb(81, 189,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 31.230, 208.361 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, 200) }
```

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

```
.background{ background-color: rgb(81, 189,  
200) }
```

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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