

Converting Colors

CIELCh(71, 36.370, 189.965)

Have a look what the booklet for
CIELCh(71, 36.370, 189.965)
contains.

CIELCh(71, 36.428, 189.677)	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, 36.428, 189.677)

Conversions

Conversions Part 1

Format	Color
Hex	42C0B8
RGB	66, 192, 184
RGB Percent	26%, 75%, 72%
CMY	0.7424, 0.2480, 0.2794
CMYK	0.66, 0.00, 0.04, 0.25
HSL	176°, 50%, 50%
HSV	176°, 66%, 75%
XYZ	29.6466, 42.1875, 51.7933
YIQ	153.4140, -72.5280, -29.2000

Conversions

Conversions Part 2

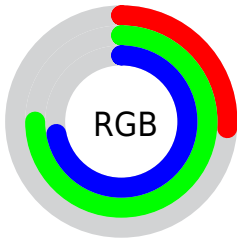
Format	Color
RYB	66, 131, 192
Decimal	4374712
CIELab	71.00, -35.91, -6.12
CIELCh	71, 36.428, 189.677
Yxy	42.1875, 0.2398, 0.3412
Android (android.graphics.Color)	4282564792 (0xFF42C0B8)
YUV	153.4140, 15.0789, -76.6621
Hunter-Lab	64.9519, -32.1915, -1.8121

Details

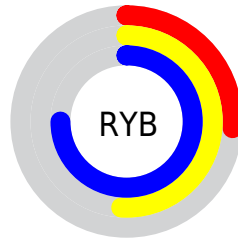
The CIELCh color **71, 36.428, 189.677** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **46, 56.003, 24.626**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 36.477, 189.692**, and **52, 33.081, 189.071** is the 20% darker color. If you saturate the color by 10%, you get **71, 39.236, 188.971**, and if you desaturate by 10%, it is **72, 32.757, 190.360**.

Distribution



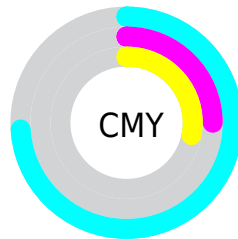
- Red (26%)
- Green (75%)
- Blue (72%)



- Red (26%)
- Yellow (51%)
- Blue (75%)



- Cyan (66%)
- Magenta (0%)
- Yellow (4%)
- Black (25%)





- Cyan (74%)
- Magenta (25%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 36.428, 189.677 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, 36.428, 189.677 by changing the saturation by 10% instead.


 71, 36.428,
189.677

 71, 36.428,
189.677


 100, 36.428,
189.677


 61, 36.428,
189.677


 91, 36.428,
189.677

 51, 36.428,
189.677

 41, 36.428,
189.677

 31, 36.428,
189.677

 21, 36.428,
189.677

 11, 36.428,
189.677

 1, 36.428, 189.677

■ 0, 36.428, 189.677

■ 71, 36.428,
189.677

■ 71, 36.428,
189.677

■ 71, 39.236,
188.971

■ 72, 32.757,
190.360

■ 70, 41.188,
188.233

■ 72, 28.267,
191.036

■ 70, 42.355,
187.447

■ 73, 23.041,
191.713

■ 70, 42.731,
187.107

■ 74, 17.183,
192.398

■ 75, 10.807,
193.100

■ 77, 4.029, 193.873

■ 78, 3.045, 14.266

■ 80, 10.321, 15.087

■ 82, 17.721, 15.808

Harmonies

Complementary

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



71, 36.428, 189.677



46, 56.003, 24.626

Rectangle

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



71, 36.428, 189.677



71, 36.428, 239.677



71, 36.428, 9.677



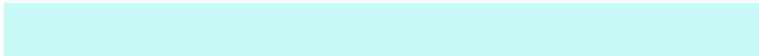
71, 36.428, 59.677

Sweetspot

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



71, 36.428, 189.676



95, 16.821, 192.775



69, 77.126, 137.552



50, 11.381, 192.577



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



71, 36.428, 189.676



89, 49.086, 188.642



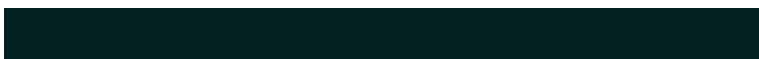
55, 35.432, 261.799



40, 3.984, 193.571



60, 37.450, 187.221



11, 12.919, 189.320

Inverse Universe

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



46, 56.003, 24.626



55, 83.565, 29.916



57, 46.939, 60.831



38, 4.196, 14.788



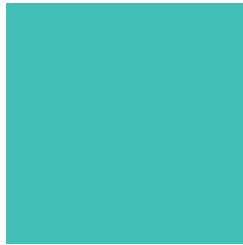
33, 71.270, 37.106



3, 14.036, 15.941

Previews

White Background



This preview shows how the CIELCh color 71, 36.428, 189.677 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, 36.428, 189.677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

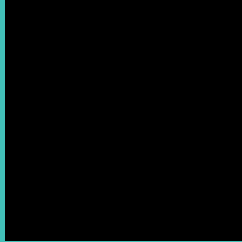
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

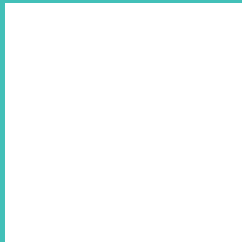
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 36.428, 189.677

Background



This preview shows how black text looks on a background with the CIELCh color 71, 36.428, 189.677.

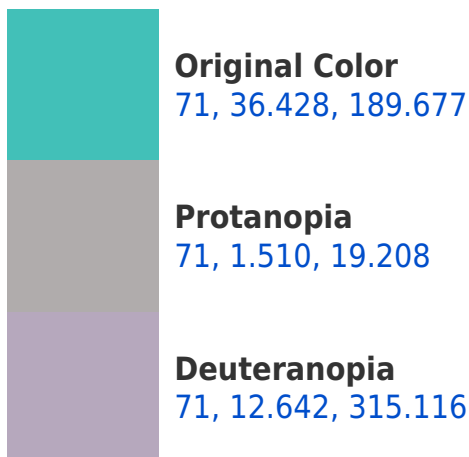


This preview shows how white text looks on a background with the CIELCh color 71, 36.428, 189.677.

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, 32.101, 212.104

Trichromacy



Original Color
71, 36.428, 189.677



Protanomaly
70, 15.277, 191.968



Deuteranomaly
70, 13.705, 222.187



Tritanomaly
71, 33.149, 203.657

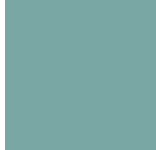
Monochromacy



Original Color
71, 36.428, 189.677



Achromatopsia
63, 0.008, 296.813



Achromatomaly
65, 16.359, 192.134

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 36.428, 189.677 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(66, 192, 184)` looks like.

```
.text, #text, p{  
    color:rgb(66, 192, 184)  
}
```

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(66, 192, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 192, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 36.428, 189.677 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(66, 192, 184) }
```

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

```
.border{ border-color:rgb(66, 192, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 192, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 192, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 192, 184);  
box-shadow:4px 4px 4px 4px rgb(66, 192,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 36.428, 189.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 192, 184) }
```

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

```
.background{ background-color: rgb(66, 192,  
184) }
```

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