

Converting Colors

CIELCh(71, 36.506, 194.978)

Have a look what the booklet for
CIELCh(71, 36.506, 194.978)
contains.

CIELCh(71, 36.605, 194.920)	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, 36.605, 194.920)

Conversions

Conversions Part 1

Format	Color
Hex	3AC0BE
RGB	58, 192, 190
RGB Percent	23%, 75%, 75%
CMY	0.7739, 0.2480, 0.2559
CMYK	0.70, 0.00, 0.01, 0.25
HSL	179°, 54%, 49%
HSV	179°, 70%, 75%
XYZ	29.7881, 42.1875, 55.1489
YIQ	151.7060, -79.2220, -29.0300

Conversions

Conversions Part 2

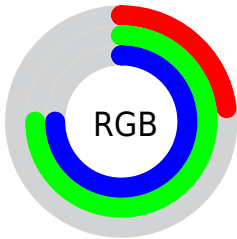
Format	Color
RYB	58, 126, 192
Decimal	3850430
CIELab	71.00, -35.37, -9.42
CIELCh	71, 36.605, 194.920
Yxy	42.1875, 0.2343, 0.3319
Android (android.graphics.Color)	4282040510 (0xFF3AC0BE)
YUV	151.7060, 18.8789, -82.1802
Hunter-Lab	64.9519, -31.8025, -4.8752

Details

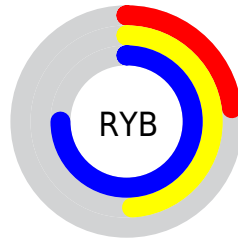
The CIELCh color **71, 36.605, 194.920** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **45, 61.165, 29.333**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 36.714, 194.660**, and **52, 31.907, 195.306** is the 20% darker color. If you saturate the color by 10%, you get **71, 38.806, 194.622**, and if you desaturate by 10%, it is **71, 33.531, 195.257**.

Distribution



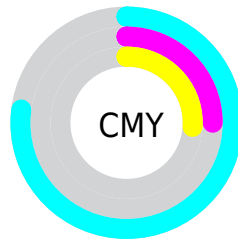
- Red (23%)
- Green (75%)
- Blue (75%)



- Red (23%)
- Yellow (49%)
- Blue (75%)



- Cyan (70%)
- Magenta (0%)
- Yellow (1%)
- Black (25%)





- Cyan (77%)
- Magenta (25%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 36.605, 194.920 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, 36.605, 194.920 by changing the saturation by 10% instead.


 71, 36.605,
194.920


 71, 36.605,
194.920


 100, 36.605,
194.920


 61, 36.605,
194.920


 91, 36.605,
194.920

 51, 36.605,
194.920

 41, 36.605,
194.920

 31, 36.605,
194.920

 21, 36.605,
194.920

 11, 36.605,
194.920

 1, 36.605, 194.920

0, 36.605, 194.920

71, 36.605,
194.920

71, 36.605,
194.920

71, 38.806,
194.622

71, 33.531,
195.257

70, 40.172,
194.360

72, 29.599,
195.641

70, 40.893,
194.120

73, 24.868,
196.072

70, 40.898,
194.118

74, 19.429,
196.551

75, 13.387,
197.078

76, 6.858, 197.666

■ 78, 0.052, 7.780

■ 79, 7.237, 18.699

■ 81, 14.613, 19.358

Harmonies

Complementary

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



71, 36.605, 194.920



45, 61.165, 29.333

Rectangle

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



71, 36.605, 194.920



71, 36.605, 244.920



71, 36.605, 14.920



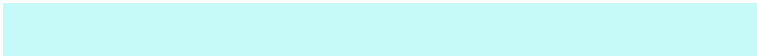
71, 36.605, 64.920

Sweetspot

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



71, 36.605, 194.919



95, 17.414, 197.000



69, 81.671, 137.929



50, 11.677, 196.851



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, 36.605, 194.919



90, 48.378, 194.476



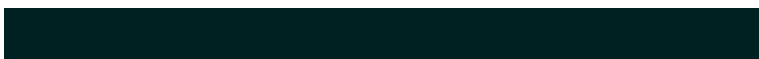
52, 40.235, 269.481



40, 3.954, 197.702



60, 35.867, 194.148



11, 12.543, 194.682

Inverse Universe

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



45, 61.165, 29.333



54, 91.051, 34.891



58, 50.193, 64.991



38, 4.186, 18.713



33, 73.136, 39.124



3, 14.003, 18.590

Previews

White Background



This preview shows how the CIE LCh color 71, 36.605, 194.920 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, 36.605, 194.920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

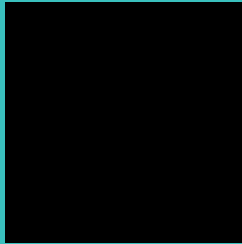
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

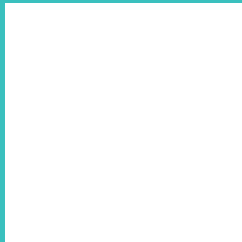
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 36.605, 194.920

Background



This preview shows how black text looks on a background with the CIELCh color 71, 36.605, 194.920.

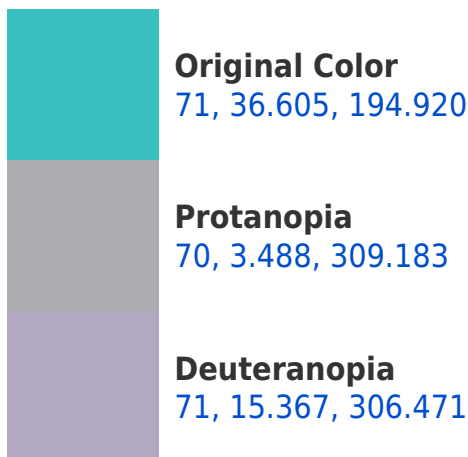


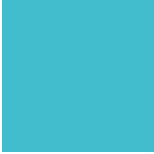
This preview shows how white text looks on a background with the CIELCh color 71, 36.605, 194.920.

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, 33.650, 212.290

Trichromacy



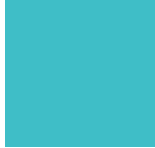
Original Color
71, 36.605, 194.920



Protanomaly
70, 16.191, 204.011



Deuteranomaly
70, 16.316, 231.178



Tritanomaly
71, 34.413, 205.204

Monochromacy



Original Color
71, 36.605, 194.920



Achromatopsia
62, 0.008, 296.813



Achromatomaly
65, 17.106, 196.080

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 36.605, 194.920 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(58, 192, 190)` looks like.

```
.text, #text, p{  
    color:rgb(58, 192, 190)  
}
```

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(58, 192, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 192, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 36.605, 194.920 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(58, 192, 190) }
```

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

```
.border{ border-color:rgb(58, 192, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 192, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 192, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 192, 190);  
box-shadow:4px 4px 4px 4px rgb(58, 192,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 36.605, 194.920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 192, 190) }
```

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

```
.background{ background-color: rgb(58, 192,  
190) }
```

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