

Converting Colors

CIELCh(74, 47.178, 170.092)

Have a look what the booklet for
CIELCh(74, 47.178, 170.092)
contains.

CIELCh(74, 47.315, 170.161)	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(74, 47.315, 170.161)

Conversions

Conversions Part 1

Format	Color
Hex	3CCCA6
RGB	60, 204, 166
RGB Percent	24%, 80%, 65%
CMY	0.7629, 0.2016, 0.3505
CMYK	0.70, 0.00, 0.19, 0.20
HSL	164°, 58%, 52%
HSV	164°, 70%, 80%
XYZ	30.2331, 46.7039, 43.3107
YIQ	156.6120, -73.6260, -42.3460

Conversions

Conversions Part 2

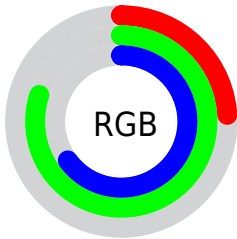
Format	Color
RYB	60, 143, 204
Decimal	3984550
CIELab	74.00, -46.62, 8.09
CIELCh	74, 47.315, 170.161
Yxy	46.7039, 0.2514, 0.3884
Android (android.graphics.Color)	4282174630 (0xFF3CCCA6)
YUV	156.6120, 4.6283, -84.7287
Hunter-Lab	68.3403, -40.6287, 10.2632

Details

The CIELCh color **74, 47.315, 170.161** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **48, 59.610, 10.772**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 44.075, 173.077**, and **55, 43.330, 167.823** is the 20% darker color. If you saturate the color by 10%, you get **74, 51.394, 168.452**, and if you desaturate by 10%, it is **75, 42.393, 171.691**.

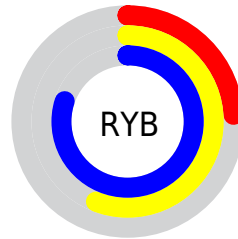
Distribution



Red (24%)

Green (80%)

Blue (65%)



Red (24%)

Yellow (56%)

Blue (80%)

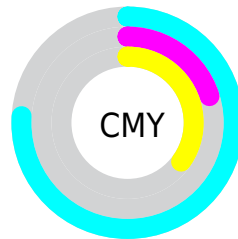


Cyan (70%)

Magenta (0%)

Yellow (19%)

Black (20%)



Cyan (76%)


Magenta (20%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 47.315, 170.161 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 74, 47.315, 170.161 by changing the saturation by 10% instead.


 74, 47.315,
170.161


 74, 47.315,
170.161


 100, 47.315,
170.161


 64, 47.315,
170.161


 94, 47.315,
170.161


 54, 47.315,
170.161

 44, 47.315,
170.161

 34, 47.315,
170.161

 24, 47.315,
170.161

 14, 47.315,
170.161

 4, 47.315, 170.161

0, 47.315, 170.161

74, 47.315,
170.161

74, 47.315,
170.161

74, 51.394,
168.452

75, 42.393,
171.691

73, 54.643,
166.553

75, 36.679,
173.067

73, 57.176,
164.578

76, 30.270,
174.315

77, 23.292,
175.457

79, 15.877,
176.515

80, 8.154, 177.522

■ 82, 0.240, 180.447

■ 84, 7.767, 359.182

■ 86, 15.786, 0.039

Harmonies

Complementary

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



74, 47.315, 170.161



48, 59.610, 10.772

Rectangle

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



74, 47.315, 170.161



74, 47.315, 220.161



74, 47.315, 350.161



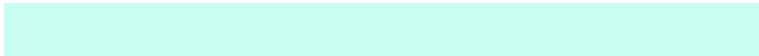
74, 47.315, 40.161

Sweetspot

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



74, 47.315, 170.160



96, 19.683, 176.416



74, 81.017, 133.173



51, 13.264, 176.125



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 47.315, 170.160



90, 62.862, 167.565



65, 32.905, 232.252



42, 4.499, 177.613



60, 48.831, 164.913



13, 16.956, 169.955

Inverse Universe

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



48, 59.610, 10.772



56, 81.436, 16.799



53, 57.170, 43.717



40, 4.637, 359.237



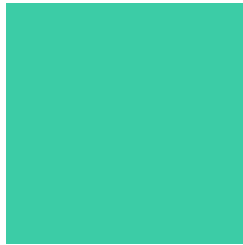
35, 64.461, 23.661



4, 18.418, 6.575

Previews

White Background



This preview shows how the CIELCh color 74, 47.315, 170.161 looks on a white background.

Color Contrast Check

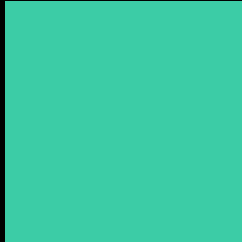
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 74, 47.315, 170.161 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

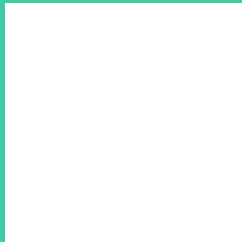
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 47.315, 170.161

Background



This preview shows how black text looks on a background with the CIELCh color 74, 47.315, 170.161.

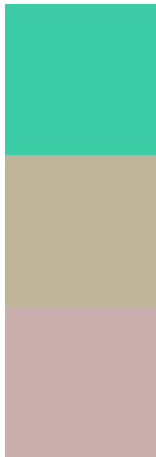


This preview shows how white text looks on a background with the CIELCh color 74, 47.315, 170.161.

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](#).

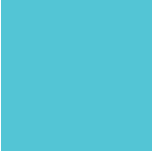
Dichromacy



Original Color
74, 47.449, 170.228

Protanopia
73, 14.570, 93.008

Deuteranopia
73, 10.489, 26.121



Tritanopia
74, 32.542, 212.823

Trichromacy



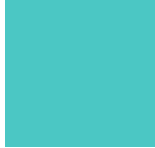
Original Color
74, 47.449, 170.228



Protanomaly
73, 24.107, 153.455



Deuteranomaly
72, 15.312, 165.996



Tritanomaly
74, 35.520, 194.138

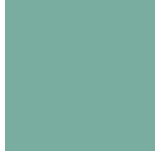
Monochromacy



Original Color
74, 47.449, 170.228



Achromatopsia
64, 0.008, 296.813



Achromatomaly
67, 20.310, 175.237

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 47.315, 170.161 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(60, 204, 166)` looks like.

```
.text, #text, p{  
    color:rgb(60, 204, 166)  
}
```

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(60, 204, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 204, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 47.315, 170.161 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(60, 204, 166) }
```

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

```
.border{ border-color:rgb(60, 204, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 204, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 204, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 204, 166);  
box-shadow:4px 4px 4px 4px rgb(60, 204,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 47.315, 170.161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 204, 166) }
```

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

```
.background{ background-color: rgb(60, 204,  
166) }
```

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