

Converting Colors

CIELCh(74, 42.434, 177.533)

Have a look what the booklet for
CIELCh(74, 42.434, 177.533)
contains.

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Color

CIELCh(74, 42.318, 177.520)

Conversions

Conversions Part 1

Format	Color
Hex	42CAB1
RGB	66, 202, 177
RGB Percent	26%, 79%, 69%
CMY	0.7400, 0.2069, 0.3050
CMYK	0.67, 0.00, 0.12, 0.21
HSL	169°, 56%, 53%
HSV	169°, 67%, 79%
XYZ	31.4013, 46.7039, 49.0735
YIQ	158.4860, -73.0310, -36.6070

Conversions

Conversions Part 2

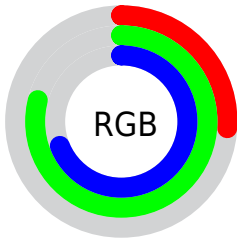
Format	Color
R _{YB}	66, 141, 202
Decimal	4377265
CIE Lab	74.00, -42.28, 1.83
CIE LCh	74, 42.318, 177.520
Yxy	46.7039, 0.2469, 0.3672
Android (android.graphics.Color)	4282567345 (0xFF42CAB1)
YUV	158.4860, 9.1274, -81.1102
Hunter-Lab	68.3403, -37.5774, 5.2635

Details

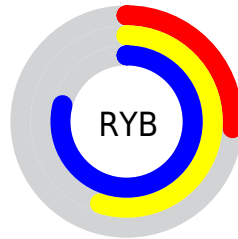
The CIELCh color **74, 42.318, 177.520** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **49, 57.597, 16.142**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.140, 180.354**, and **54, 38.587, 176.569** is the 20% darker color. If you saturate the color by 10%, you get **74, 45.952, 176.118**, and if you desaturate by 10%, it is **75, 37.823, 178.788**.

Distribution



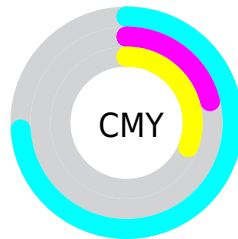
- Red (26%)
- Green (79%)
- Blue (69%)



- Red (26%)
- Yellow (55%)
- Blue (79%)



- Cyan (67%)
- Magenta (0%)
- Yellow (12%)
- Black (21%)





- Cyan (74%)
- Magenta (21%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 42.318, 177.520 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, 42.318, 177.520 by changing the saturation by 10% instead.


 74, 42.318,
177.520


 74, 42.318,
177.520


 100, 42.318,
177.520


 64, 42.318,
177.520


 94, 42.318,
177.520


 54, 42.318,
177.520

 44, 42.318,
177.520

 34, 42.318,
177.520

 24, 42.318,
177.520

 14, 42.318,
177.520

 4, 42.318, 177.520

0, 42.318, 177.520

74, 42.318,
177.520

74, 42.318,
177.520

74, 45.952,
176.118

75, 37.823,
178.788

73, 48.724,
174.566

75, 32.523,
179.949

73, 50.729,
172.858

76, 26.515,
181.024

73, 51.231,
172.380

78, 19.919,
182.031

79, 12.864,
182.991

80, 5.474, 183.946

■ 82, 2.141, 4.472

■ 84, 9.883, 5.494

■ 86, 17.676, 6.322

Harmonies

Complementary

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



74, 42.318, 177.520



49, 57.597, 16.142

Rectangle

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



74, 42.318, 177.520



74, 42.318, 227.520



74, 42.318, 357.520



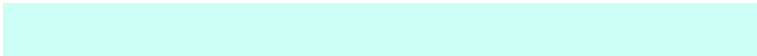
74, 42.318, 47.520

Sweetspot

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



74, 42.318, 177.519



96, 17.936, 182.701



73, 79.218, 134.831



51, 12.166, 182.429



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, 42.318, 177.519



90, 56.458, 175.380



63, 32.756, 242.596



42, 4.321, 183.731



61, 44.046, 172.654



13, 15.646, 176.817

Inverse Universe

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



49, 57.597, 16.142



56, 81.686, 22.039



56, 52.164, 48.813



40, 4.492, 5.278



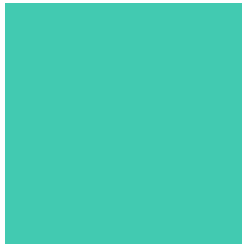
34, 67.735, 30.154



4, 18.171, 10.420

Previews

White Background



This preview shows how the CIELCh color 74, 42.318, 177.520 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 74, 42.318, 177.520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

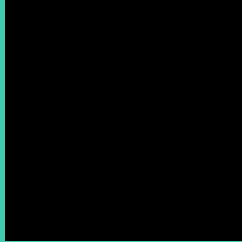
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

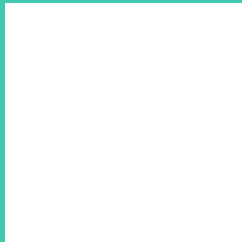
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 42.318, 177.520

Background



This preview shows how black text looks on a background with the CIELCh color 74, 42.318, 177.520.

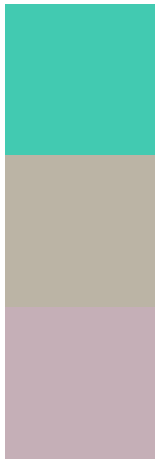


This preview shows how white text looks on a background with the CIELCh color 74, 42.318, 177.520.

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](#).

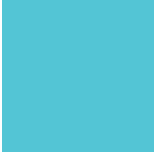
Dichromacy



Original Color
74, 42.318, 177.520

Protanopia
73, 8.528, 90.851

Deuteranopia
74, 9.362, 352.699



Tritanopia
74, 32.542, 212.823

Trichromacy



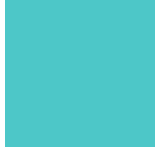
Original Color
74, 42.318, 177.520



Protanomaly
73, 19.470, 165.850



Deuteranomaly
73, 13.051, 188.755



Tritanomaly
74, 34.664, 197.780

Monochromacy



Original Color
74, 42.318, 177.520



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 18.500, 182.248

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 42.318, 177.520 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, 202, 177)` looks like.

```
.text, #text, p{  
    color:rgb(66, 202, 177)  
}
```

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, 202, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 202, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 42.318, 177.520 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, 202, 177) }
```

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

```
.border{ border-color:rgb(66, 202, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 202, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 202, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 202, 177);  
box-shadow:4px 4px 4px 4px rgb(66, 202,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 42.318, 177.520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 202, 177) }
```

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

```
.background{ background-color: rgb(66, 202,  
177) }
```

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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