

Converting Colors

CIELCh(70, 48.257, 174.378)

Have a look what the booklet for
CIELCh(70, 48.257, 174.378)
contains.

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Color

CIELCh(70, 48.252, 174.375)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 02C1A1 |
| RGB | 2, 193, 161 |
| RGB Percent | 1%, 76%, 63% |
| CMY | 0.9912, 0.2429, 0.3685 |
| CMYK | 0.99, 0.00, 0.17, 0.24 |
| HSL | 170°, 98%, 38% |
| HSV | 170°, 99%, 76% |
| XYZ | 25.5449, 40.7494, 40.2575 |
| YIQ | 132.2430, -103.5640, -50.4440 |

Conversions

Conversions Part 2

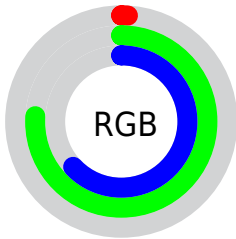
| Format | Color |
|-------------------------------------|--|
| RYB | 2, 106, 193 |
| Decimal | 180641 |
| CIELab | 70.00, -48.02, 4.73 |
| CIELCh | 70, 48.252, 174.375 |
| Yxy | 40.7494, 0.2397, 0.3824 |
| Android (android.graphics.Color) | 4278370721 (0xFF02C1A1) |
| YUV | 132.2430, 14.1772, -114.2231 |
| Hunter-Lab | 63.8353, -40.2815, 7.2937 |

Details

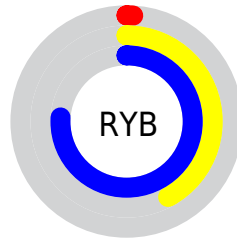
The CIELCh color **70, 48.252, 174.375** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **40, 76.475, 31.410**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 48.064, 174.712**, and **51, 39.289, 171.032** is the 20% darker color. If you saturate the color by 10%, you get **70, 48.443, 174.187**, and if you desaturate by 10%, it is **70, 46.506, 175.995**.

Distribution



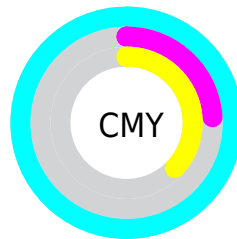
- Red (1%)
- Green (76%)
- Blue (63%)



- Red (1%)
- Yellow (42%)
- Blue (76%)



- Cyan (99%)
- Magenta (0%)
- Yellow (17%)
- Black (24%)





- Cyan (99%)
- Magenta (24%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 48.252, 174.375 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 70, 48.252, 174.375 by changing the saturation by 10% instead.


 70, 48.252,
174.375


 70, 48.252,
174.375


 100, 48.252,
174.375


 60, 48.252,
174.375


 90, 48.252,
174.375

 50, 48.252,
174.375

 40, 48.252,
174.375

 30, 48.252,
174.375

 20, 48.252,
174.375

 10, 48.252,
174.375

 0, 48.252, 174.375

70, 48.252,
174.375

70, 48.252,
174.375

70, 48.443,
174.187

70, 46.506,
175.995

70, 44.076,
177.485

71, 40.819,
178.831

71, 36.726,
180.055

72, 31.840,
181.177

73, 26.249,
182.220

74, 20.065,
183.202

75, 13.407,

184.139

■ 77, 6.395, 185.065

Harmonies

Complementary

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



70, 48.252, 174.375



40, 76.475, 31.410

Rectangle

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



70, 48.252, 174.375



70, 48.252, 224.375



70, 48.252, 354.375



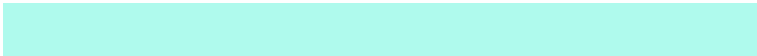
70, 48.252, 44.375

Sweetspot

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



70, 48.252, 174.374



93, 25.635, 183.044



68, 95.308, 134.853



49, 17.278, 182.630



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



70, 48.252, 174.374



88, 59.013, 173.900



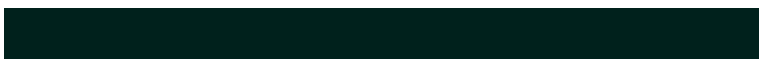
52, 40.588, 258.772



40, 4.115, 185.014



59, 42.159, 174.435



10, 13.967, 178.933

Inverse Universe

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



40, 76.475, 31.410



52, 94.469, 32.809



45, 75.294, 48.222



38, 4.284, 6.522



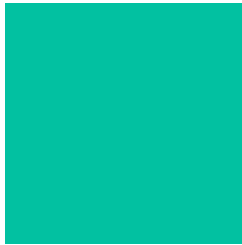
33, 66.814, 31.165



3, 14.208, 10.324

Previews

White Background



This preview shows how the CIELCh color 70, 48.252, 174.375 looks on a white background.

Color Contrast Check

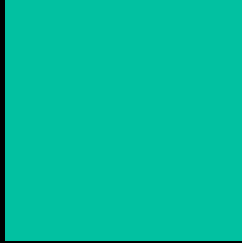
Large Text (above 18pt) WCAG AA × Fail

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 70, 48.252, 174.375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

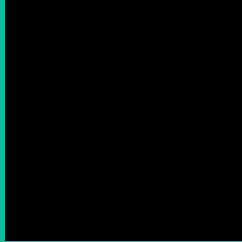
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 48.252, 174.375

Background



This preview shows how black text looks on a background with the CIELCh color 70, 48.252, 174.375.

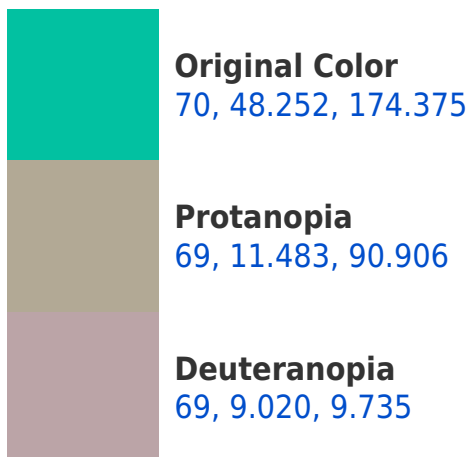


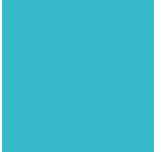
This preview shows how white text looks on a background with the CIELCh color 70, 48.252, 174.375.

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
70, 34.726, 210.790

Trichromacy



Original Color
70, 48.252, 174.375



Protanomaly
68, 26.924, 166.416



Deuteranomaly
68, 20.225, 181.821



Tritanomaly
70, 38.507, 194.830

Monochromacy



Original Color
70, 48.252, 174.375



Achromatopsia
55, 0.007, 296.813



Achromatomaly
59, 24.612, 182.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 48.252, 174.375 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(2, 193, 161)` looks like.

```
.text, #text, p{  
    color:rgb(2, 193, 161)  
}
```

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(2, 193, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 193, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 48.252, 174.375 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(2, 193, 161) }
```

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

```
.border{ border-color:rgb(2, 193, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 193, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 193, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 193, 161);  
box-shadow:4px 4px 4px 4px rgb(2, 193,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 48.252, 174.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 193, 161) }
```

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

```
.background{ background-color: rgb(2, 193,  
161) }
```

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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