

Converting Colors

CIELCh(70, 41.867, 175.865)

Have a look what the booklet for
CIELCh(70, 41.867, 175.865)
contains.

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Color

CIELCh(70, 42.103, 175.521)

Conversions

Conversions Part 1

Format	Color
Hex	3ABFA4
RGB	58, 191, 164
RGB Percent	23%, 75%, 64%
CMY	0.7735, 0.2517, 0.3575
CMYK	0.70, 0.00, 0.14, 0.25
HSL	168°, 54%, 49%
HSV	168°, 70%, 75%
XYZ	27.0077, 40.7494, 41.4825
YIQ	148.1550, -70.6010, -36.5930

Conversions

Conversions Part 2

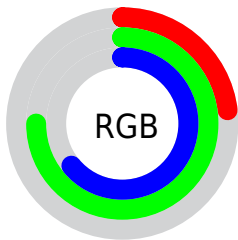
Format	Color
RYB	58, 132, 191
Decimal	3850148
CIELab	70.00, -41.97, 3.29
CIElCh	70, 42.103, 175.521
Yxy	40.7494, 0.2472, 0.3730
Android (android.graphics.Color)	4282040228 (0xFF3ABFA4)
YUV	148.1550, 7.8116, -79.0659
Hunter-Lab	63.8353, -36.1911, 6.1558

Details

The CIELCh color **70, 42.103, 175.521** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **45, 56.637, 15.434**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 42.100, 175.656**, and **51, 38.101, 173.122** is the 20% darker color. If you saturate the color by 10%, you get **70, 45.532, 174.020**, and if you desaturate by 10%, it is **71, 37.857, 176.874**.

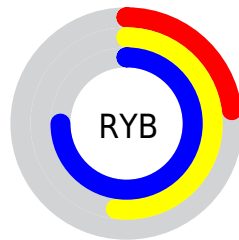
Distribution



Red (23%)

Green (75%)

Blue (64%)



Red (23%)

Yellow (52%)

Blue (75%)

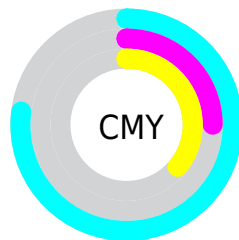


Cyan (70%)

Magenta (0%)

Yellow (14%)

Black (25%)



Cyan (77%)


Magenta (25%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 42.103, 175.521 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, 42.103, 175.521 by changing the saturation by 10% instead.


 70, 42.103,
175.521


 70, 42.103,
175.521


 100, 42.103,
175.521


 60, 42.103,
175.521


 90, 42.103,
175.521

 50, 42.103,
175.521

 40, 42.103,
175.521

 30, 42.103,
175.521

 20, 42.103,
175.521

 10, 42.103,
175.521

 0, 42.103, 175.521

■ 70, 42.103,
175.521

■ 70, 42.103,
175.521

■ 70, 45.532,
174.020

■ 71, 37.857,
176.874

■ 69, 48.158,
172.355

■ 71, 32.839,
178.105

■ 69, 50.152,
170.558

■ 72, 27.137,
179.236

■ 69, 50.205,
170.510

■ 73, 20.861,
180.287

■ 74, 14.135,
181.278

■ 76, 7.077, 182.240

■ 77, 0.204, 0.638

■ 79, 7.613, 3.835

Harmonies

Complementary

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



70, 42.103, 175.521



45, 56.637, 15.434

Rectangle

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



70, 42.103, 175.521



70, 42.103, 225.521



70, 42.103, 355.521



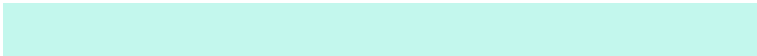
70, 42.103, 45.521

Sweetspot

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



70, 42.103, 175.520



94, 18.520, 181.122



69, 77.488, 134.357



50, 12.568, 180.848



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, 42.103, 175.520



88, 57.238, 173.107



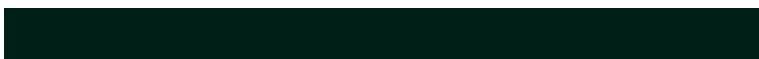
59, 31.716, 240.541



39, 4.087, 182.277



58, 43.521, 170.796



9, 13.173, 176.065

Inverse Universe

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



45, 56.637, 15.434



54, 81.326, 21.900



51, 52.354, 47.464



37, 4.239, 3.832



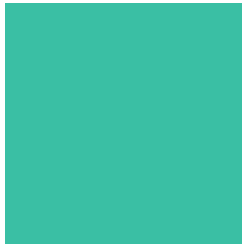
33, 64.500, 28.519



3, 12.538, 7.888

Previews

White Background



This preview shows how the CIE LCh color 70, 42.103, 175.521 looks on a white background.

Color Contrast Check

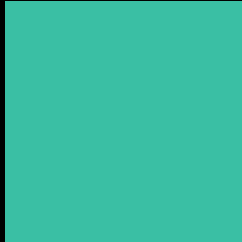
Large Text (above 18pt) WCAG AA × Fail

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, 42.103, 175.521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

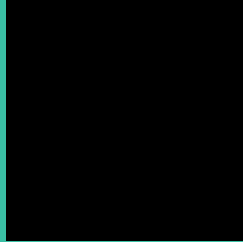
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

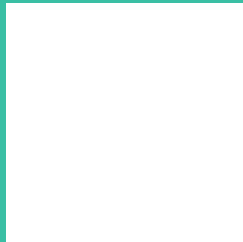
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 42.103, 175.521

Background



This preview shows how black text looks on a background with the CIELCh color 70, 42.103, 175.521.

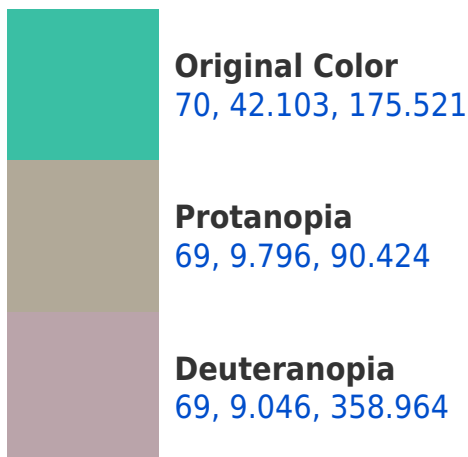


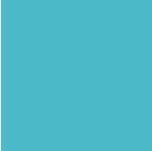
This preview shows how white text looks on a background with the CIELCh color 70, 42.103, 175.521.

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, 31.504, 212.459

Trichromacy



Original Color
70, 42.103, 175.521



Protanomaly
69, 19.777, 162.119



Deuteranomaly
68, 13.152, 183.738

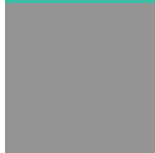


Tritanomaly
70, 34.024, 195.870

Monochromacy



Original Color
70, 42.103, 175.521



Achromatopsia
61, 0.008, 296.813



Achromatomaly
64, 18.553, 180.209

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 42.103, 175.521 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, 191, 164)` looks like.

```
.text, #text, p{  
    color:rgb(58, 191, 164)  
}
```

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, 191, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 191, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 42.103, 175.521 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, 191, 164) }
```

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

```
.border{ border-color:rgb(58, 191, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 191, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 191, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 191, 164);  
box-shadow:4px 4px 4px 4px rgb(58, 191,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 42.103, 175.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 191, 164) }
```

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

```
.background{ background-color: rgb(58, 191,  
164) }
```

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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