

Converting Colors

CIELCh(70, 42.304, 180.476)

Have a look what the booklet for
CIELCh(70, 42.304, 180.476)
contains.

CIELCh(70, 42.368, 180.294)	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(70, 42.368, 180.294)

Conversions

Conversions Part 1

Format	Color
Hex	2ABFAA
RGB	42, 191, 170
RGB Percent	16%, 75%, 67%
CMY	0.8340, 0.2503, 0.3326
CMYK	0.78, 0.00, 0.11, 0.25
HSL	172°, 64%, 46%
HSV	172°, 78%, 75%
XYZ	26.9110, 40.7494, 44.5646
YIQ	144.0550, -82.0630, -38.1190

Conversions

Conversions Part 2

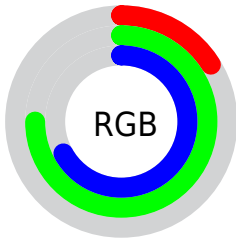
Format	Color
RYB	42, 122, 191
Decimal	2801578
CIELab	70.00, -42.37, -0.22
CIELCh	70, 42.368, 180.294
Yxy	40.7494, 0.2398, 0.3631
Android (android.graphics.Color)	4280991658 (0xFF2ABFAA)
YUV	144.0550, 12.7909, -89.5022
Hunter-Lab	63.8353, -36.4617, 3.2932

Details

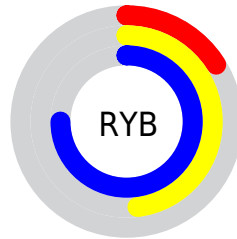
The CIELCh color **70, 42.368, 180.294** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **43, 63.855, 23.359**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 42.420, 180.233**, and **51, 36.144, 177.925** is the 20% darker color. If you saturate the color by 10%, you get **70, 44.658, 178.967**, and if you desaturate by 10%, it is **70, 39.248, 181.497**.

Distribution



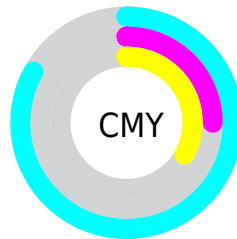
- Red (16%)
- Green (75%)
- Blue (67%)



- Red (16%)
- Yellow (48%)
- Blue (75%)



- Cyan (78%)
- Magenta (0%)
- Yellow (11%)
- Black (25%)





- Cyan (83%)
- Magenta (25%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 42.368, 180.294 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, 42.368, 180.294 by changing the saturation by 10% instead.

 70, 42.368,
180.294

 70, 42.368,
180.294


 100, 42.368,
180.294

 60, 42.368,
180.294


 90, 42.368,
180.294

 50, 42.368,
180.294

 40, 42.368,
180.294

 30, 42.368,
180.294

 20, 42.368,
180.294

 10, 42.368,
180.294

 0, 42.368, 180.294

70, 42.368,
180.294

70, 42.368,
180.294

70, 44.658,
178.967

70, 39.248,
181.497

70, 46.229,
177.519

71, 35.289,
182.601

69, 46.533,
177.209

72, 30.538,
183.624

73, 25.081,
184.586

74, 19.026,
185.503

75, 12.494,
186.390

76, 5.600, 187.283

78, 1.548, 7.683

Harmonies

Complementary

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



70, 42.368, 180.294



43, 63.855, 23.359

Rectangle

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



70, 42.368, 180.294



70, 42.368, 230.294



70, 42.368, 0.294



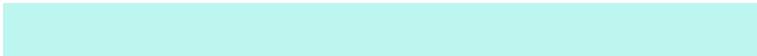
70, 42.368, 50.294

Sweetspot

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



70, 42.368, 180.293



93, 19.585, 185.904



68, 85.307, 135.317



50, 13.540, 185.578



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, 42.368, 180.293



88, 55.519, 178.019



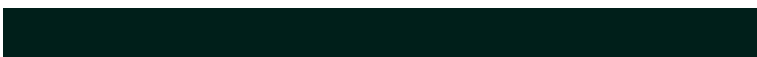
55, 36.291, 254.525



39, 3.985, 187.146



58, 40.329, 177.442



9, 12.593, 181.823

Inverse Universe

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



43, 63.855, 23.359



52, 90.697, 31.109



51, 58.094, 52.511



37, 4.160, 8.592



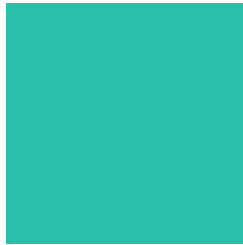
33, 67.150, 32.868



3, 12.398, 11.330

Previews

White Background



This preview shows how the CIELCh color 70, 42.368, 180.294 looks on a white background.

Color Contrast Check

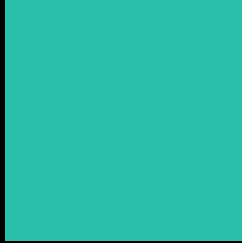
Large Text (above 18pt) WCAG AA × Fail

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, 42.368, 180.294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

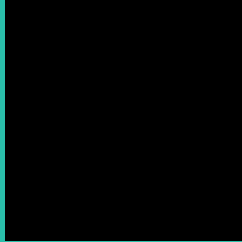
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

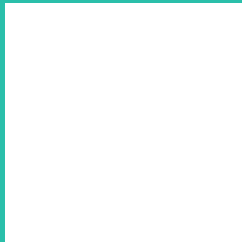
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 42.368, 180.294

Background



This preview shows how black text looks on a background with the CIELCh color 70, 42.368, 180.294.

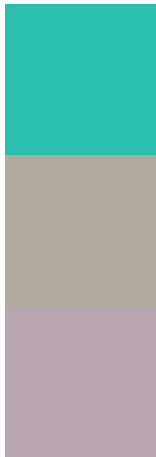


This preview shows how white text looks on a background with the CIELCh color 70, 42.368, 180.294.

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](#).

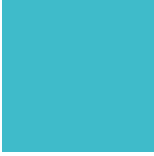
Dichromacy



Original Color
70, 42.368, 180.294

Protanopia
70, 6.584, 85.109

Deuteranopia
70, 9.106, 338.808



Tritanopia
70, 33.689, 211.294

Trichromacy



Original Color
70, 42.368, 180.294



Protanomaly
68, 19.923, 173.235



Deuteranomaly
68, 15.127, 196.081

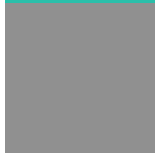


Tritanomaly
70, 36.033, 197.561

Monochromacy



Original Color
70, 42.368, 180.294



Achromatopsia
60, 0.008, 296.813



Achromatomaly
62, 19.497, 186.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 42.368, 180.294 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(42, 191, 170)` looks like.

```
.text, #text, p{  
    color:rgb(42, 191, 170)  
}
```

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(42, 191, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 191, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 42.368, 180.294 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(42, 191, 170) }
```

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

```
.border{ border-color:rgb(42, 191, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 191, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 191, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 191, 170);  
box-shadow:4px 4px 4px 4px rgb(42, 191,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 42.368, 180.294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 191, 170) }
```

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

```
.background{ background-color: rgb(42, 191,  
170) }
```

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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