

Converting Colors

CIELCh(68, 41.585, 187.974)

Have a look what the booklet for
CIELCh(68, 41.585, 187.974)
contains.

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Color

CIELCh(68, 41.588, 187.721)

Conversions

Conversions Part 1

Format	Color
Hex	00BAAF
RGB	0, 186, 175
RGB Percent	0%, 73%, 69%
CMY	1.0000, 0.2725, 0.3156
CMYK	1.00, 0.00, 0.06, 0.27
HSL	176°, 100%, 36%
HSV	176°, 100%, 73%
XYZ	25.1170, 37.9720, 46.3172
YIQ	129.1320, -107.3250, -42.8530

Conversions

Conversions Part 2

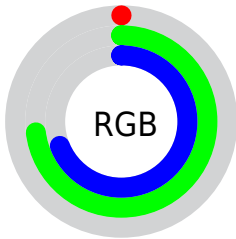
Format	Color
RYB	0, 96, 186
Decimal	47791
CIELab	68.00, -41.21, -5.59
CIELCh	68, 41.588, 187.721
Yxy	37.9720, 0.2296, 0.3471
Android (android.graphics.Color)	4278237871 (0xFF00BAAF)
YUV	129.1320, 22.6129, -113.2488
Hunter-Lab	61.6215, -35.0808, -1.4298

Details

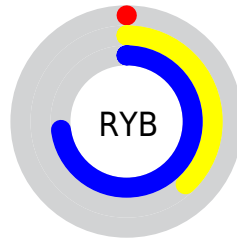
The CIELCh color **68, 41.588, 187.721** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **39, 79.856, 37.691**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 41.702, 187.283**, and **49, 32.565, 186.735** is the 20% darker color. If you saturate the color by 10%, you get **68, 41.510, 187.710**, and if you desaturate by 10%, it is **68, 40.581, 188.460**.

Distribution



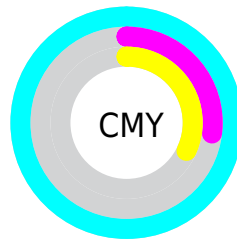
- Red (0%)
- Green (73%)
- Blue (69%)



- Red (0%)
- Yellow (38%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (27%)




- Cyan (100%)
- Magenta (27%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 41.588, 187.721 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 68, 41.588, 187.721 by changing the saturation by 10% instead.

 68, 41.588,
187.721


 68, 41.588,
187.721


 100, 41.588,
187.721


 58, 41.588,
187.721


 88, 41.588,
187.721

 48, 41.588,
187.721

 98, 41.588,
187.721

 38, 41.588,
187.721

 28, 41.588,
187.721

 18, 41.588,
187.721

 8, 41.588, 187.721

 0, 41.588, 187.721

■ 68, 41.588,
187.721

■ 68, 41.588,
187.721

■ 68, 41.510,
187.710

■ 68, 40.581,
188.460

■ 68, 39.028,
189.176

■ 69, 36.662,
189.857

■ 69, 33.453,
190.518

■ 70, 29.425,
191.172

■ 71, 24.643,
191.827

■ 72, 19.200,
192.490

■ 73, 13.204,

193.168

■ 74, 6.768, 193.881

Harmonies

Complementary

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



68, 41.588, 187.721



39, 79.856, 37.691

Rectangle

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



68, 41.588, 187.721



68, 41.588, 237.721



68, 41.588, 7.721



68, 41.588, 57.721

Sweetspot

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



68, 41.510, 187.710



91, 23.806, 192.456



66, 93.950, 135.738



48, 16.124, 192.174



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



68, 41.510, 187.710



87, 50.761, 187.572



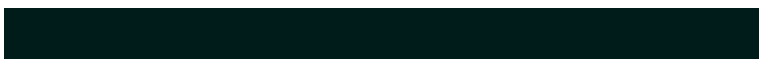
44, 49.663, 276.720



38, 3.807, 193.932



58, 36.416, 187.820



8, 10.716, 191.070

Inverse Universe

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



39, 79.856, 37.691



51, 98.267, 38.258



47, 69.246, 55.428



36, 4.010, 15.121



32, 69.656, 37.173



2, 10.668, 15.804

Previews

White Background



This preview shows how the CIELCh color 68, 41.588, 187.721 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 68, 41.588, 187.721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

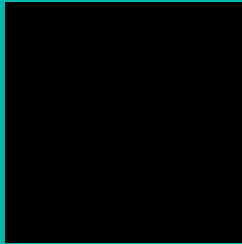
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 41.588, 187.721

Background



This preview shows how black text looks on a background with the CIELCh color 68, 41.588, 187.721.

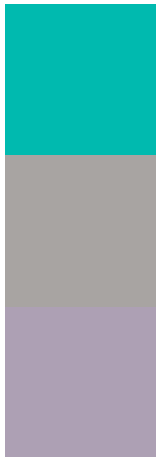


This preview shows how white text looks on a background with the CIELCh color 68, 41.588, 187.721.

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](#).

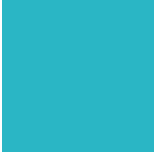
Dichromacy



Original Color
68, 41.588, 187.721

Protanopia
68, 1.872, 55.191

Deuteranopia
68, 12.099, 314.575

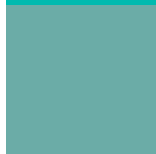


Tritanopia
68, 35.250, 210.574

Trichromacy



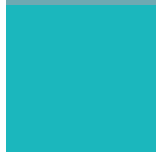
Original Color
68, 41.588, 187.721



Protanomaly
66, 22.271, 190.347



Deuteranomaly
66, 19.905, 212.526

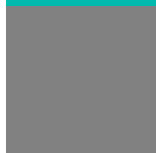


Tritanomaly
68, 37.151, 201.753

Monochromacy



Original Color
68, 41.588, 187.721



Achromatopsia
54, 0.007, 296.813



Achromatomaly
58, 23.015, 191.564

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 41.588, 187.721 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(0, 186, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 175)  
}
```

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(0, 186, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 41.588, 187.721 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(0, 186, 175) }
```

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

```
.border{ border-color:rgb(0, 186, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 41.588, 187.721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 175) }
```

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

```
.background{ background-color: rgb(0, 186,  
175) }
```

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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