

Converting Colors

CIELCh(67, 55.042, 187.868)

Have a look what the booklet for
CIELCh(67, 55.042, 187.868)
contains.

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Color

CIELCh(69, 42.348, 186.335)

Conversions

Conversions Part 1

Format	Color
Hex	03BDB0
RGB	3, 189, 176
RGB Percent	1%, 74%, 69%
CMY	0.9890, 0.2605, 0.3116
CMYK	0.99, 0.00, 0.07, 0.26
HSL	176°, 97%, 38%
HSV	176°, 99%, 74%
XYZ	25.9316, 39.3444, 47.0691
YIQ	131.9040, -106.6830, -43.4750

Conversions

Conversions Part 2

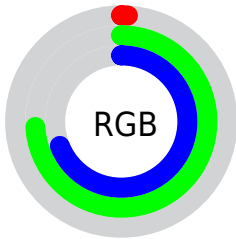
Format	Color
RYB	3, 99, 189
Decimal	245168
CIELab	69.00, -42.09, -4.67
CIELCh	69, 42.348, 186.335
Yxy	39.3444, 0.2308, 0.3502
Android (android.graphics.Color)	4278435248 (0xFF03BDB0)
YUV	131.9040, 21.7393, -113.0488
Hunter-Lab	62.7251, -35.9742, -0.5838

Details

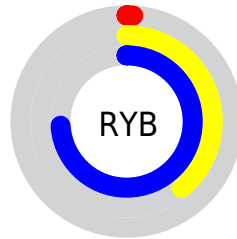
The CIELCh color **69, 42.348, 186.335** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **39, 79.641, 36.860**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 42.313, 186.706**, and **50, 33.553, 184.962** is the 20% darker color. If you saturate the color by 10%, you get **69, 42.485, 186.206**, and if you desaturate by 10%, it is **69, 41.299, 187.195**.

Distribution



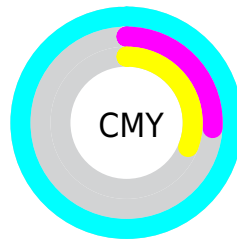
- Red (1%)
- Green (74%)
- Blue (69%)



- Red (1%)
- Yellow (39%)
- Blue (74%)



- Cyan (99%)
- Magenta (0%)
- Yellow (7%)
- Black (26%)





- Cyan (99%)
- Magenta (26%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 42.348, 186.335 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 69, 42.348, 186.335 by changing the saturation by 10% instead.

 69, 42.348,
186.335


 69, 42.348,
186.335


 100, 42.348,
186.335


 59, 42.348,
186.335

 89, 42.348,
186.335

 49, 42.348,
186.335

 99, 42.348,
186.335

 39, 42.348,
186.335

 29, 42.348,
186.335

 19, 42.348,
186.335

 9, 42.348, 186.335

 0, 42.348, 186.335

■ 69, 42.348,
186.335

■ 69, 42.348,
186.335

■ 69, 42.485,
186.206

■ 69, 41.299,
187.195

■ 69, 39.553,
188.002

■ 70, 36.975,
188.764

■ 70, 33.545,
189.493

■ 71, 29.296,
190.205

■ 72, 24.299,
190.910

■ 73, 18.654,
191.615

■ 74, 12.474,

192.330

■ 75, 5.872, 193.081

Harmonies

Complementary

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



69, 42.348, 186.335



39, 79.641, 36.860

Rectangle

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



69, 42.348, 186.335



69, 42.348, 236.335



69, 42.348, 6.335



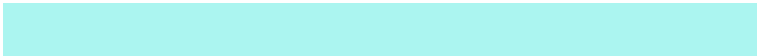
69, 42.348, 56.335

Sweetspot

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



69, 42.348, 186.334



92, 24.100, 191.476



67, 94.623, 135.698



48, 16.191, 191.178



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



69, 42.348, 186.334



87, 51.742, 186.052



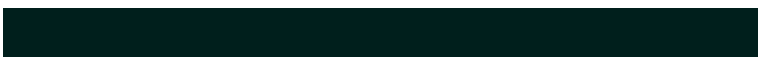
46, 47.992, 273.977



39, 3.903, 193.014



59, 37.256, 186.332



9, 12.049, 189.048

Inverse Universe

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



39, 79.641, 36.860



51, 98.580, 37.889



48, 69.857, 54.457



37, 4.107, 14.249



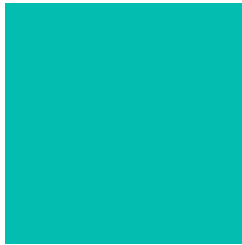
32, 70.140, 36.763



3, 12.294, 15.371

Previews

White Background



This preview shows how the CIE LCh color 69, 42.348, 186.335 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 CIE LCh color 69, 42.348, 186.335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

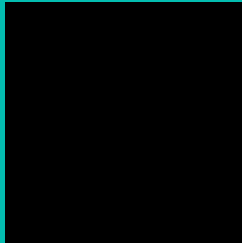
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

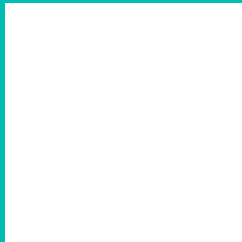
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 42.348, 186.335

Background



This preview shows how black text looks on a background with the CIELCh color 69, 42.348, 186.335.

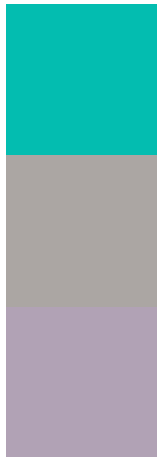


This preview shows how white text looks on a background with the CIELCh color 69, 42.348, 186.335.

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](#).

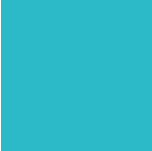
Dichromacy



Original Color
69, 42.403, 186.367

Protanopia
68, 2.509, 60.253

Deuteranopia
68, 11.900, 318.934

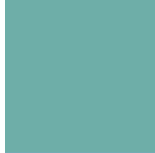


Tritanopia
69, 35.574, 210.408

Trichromacy



Original Color
69, 42.403, 186.367



Protanomaly
67, 22.128, 188.889



Deuteranomaly
67, 19.530, 209.411

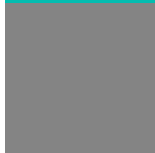


Tritanomaly
69, 37.621, 200.809

Monochromacy



Original Color
69, 42.403, 186.367



Achromatopsia
55, 0.007, 296.813



Achromatomaly
59, 23.171, 190.215

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 42.348, 186.335 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(3, 189, 176)` looks like.

```
.text, #text, p{  
    color:rgb(3, 189, 176)  
}
```

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(3, 189, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 189, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 42.348, 186.335 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(3, 189, 176) }
```

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

```
.border{ border-color:rgb(3, 189, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 189, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 189, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 189, 176);  
box-shadow:4px 4px 4px 4px rgb(3, 189,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 42.348, 186.335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 189, 176) }
```

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

```
.background{ background-color: rgb(3, 189,  
176) }
```

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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