

Converting Colors

CIELCh(69, 51.470, 168.726)

Have a look what the booklet for
CIELCh(69, 51.470, 168.726)
contains.

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Color

CIELCh(69, 51.349, 168.830)

Conversions

Conversions Part 1

Format	Color
Hex	00BF95
RGB	0, 191, 149
RGB Percent	0%, 75%, 58%
CMY	1.0000, 0.2517, 0.4163
CMYK	1.00, 0.00, 0.22, 0.25
HSL	167°, 100%, 37%
HSV	167°, 100%, 75%
XYZ	23.9940, 39.3444, 34.6948
YIQ	129.1030, -100.3540, -53.5540

Conversions

Conversions Part 2

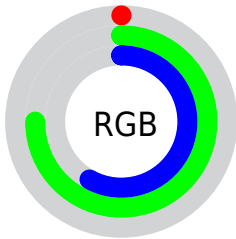
Format	Color
RYB	0, 107, 191
Decimal	49045
CIELab	69.00, -50.38, 9.95
CIELCh	69, 51.349, 168.830
Yxy	39.3444, 0.2448, 0.4013
Android (android.graphics.Color)	4278239125 (0xFF00BF95)
YUV	129.1030, 9.8092, -113.2233
Hunter-Lab	62.7251, -41.4881, 11.1129

Details

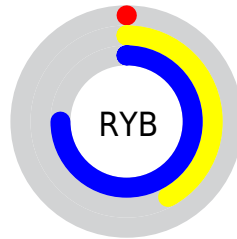
The CIELCh color **69, 51.349, 168.830** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **40, 73.851, 28.048**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 51.157, 168.881**, and **50, 42.757, 164.113** is the 20% darker color. If you saturate the color by 10%, you get **69, 51.323, 168.817**, and if you desaturate by 10%, it is **69, 49.191, 170.685**.

Distribution



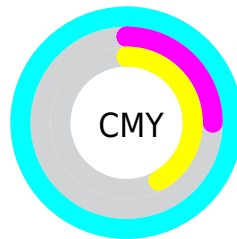
- Red (0%)
- Green (75%)
- Blue (58%)



- Red (0%)
- Yellow (42%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 51.349, 168.830 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, 51.349, 168.830 by changing the saturation by 10% instead.


 69, 51.349,
168.830


 69, 51.349,
168.830


 100, 51.349,
168.830


 59, 51.349,
168.830


 89, 51.349,
168.830

 49, 51.349,
168.830

 99, 51.349,
168.830

 39, 51.349,
168.830

 29, 51.349,
168.830

 19, 51.349,
168.830

 9, 51.349, 168.830

 0, 51.349, 168.830

■ 69, 51.349,
168.830

■ 69, 51.349,
168.830

■ 69, 51.323,
168.817

■ 69, 49.191,
170.685

■ 70, 46.444,
172.422

■ 70, 42.898,
173.985

■ 71, 38.542,
175.393

■ 71, 33.420,
176.669

■ 72, 27.622,
177.836

■ 73, 21.260,
178.915

■ 74, 14.457,

179.928

■ 76, 7.332, 180.904

Harmonies

Complementary

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



69, 51.349, 168.830



40, 73.851, 28.048

Rectangle

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



69, 51.349, 168.830



69, 51.349, 218.830



69, 51.349, 348.830



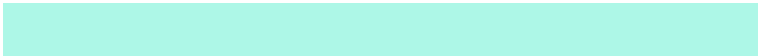
69, 51.349, 38.830

Sweetspot

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



69, 51.323, 168.817



92, 26.217, 178.866



68, 94.068, 134.247



49, 17.846, 178.413



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



69, 51.323, 168.817



87, 62.650, 168.481



55, 37.560, 249.768



39, 4.121, 180.969



58, 44.475, 169.115



9, 13.349, 174.551

Inverse Universe

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



40, 73.851, 28.048



52, 90.465, 29.009



43, 77.424, 45.857



37, 4.266, 2.543



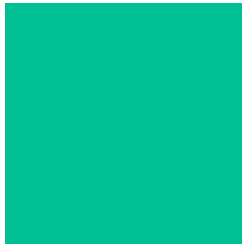
33, 63.811, 27.179



3, 12.584, 6.945

Previews

White Background



This preview shows how the CIELCh color 69, 51.349, 168.830 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, 51.349, 168.830 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, 51.349, 168.830

Background



This preview shows how black text looks on a background with the CIELCh color 69, 51.349, 168.830.

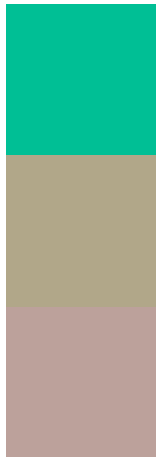


This preview shows how white text looks on a background with the CIELCh color 69, 51.349, 168.830.

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, 51.349, 168.830

Protanopia

69, 16.892, 94.537

Deuteranopia

68, 11.208, 37.236



Tritanopia
69, 33.673, 211.323

Trichromacy



Original Color
69, 51.349, 168.830



Protanomaly
67, 30.324, 157.494



Deuteranomaly
66, 21.776, 168.661



Tritanomaly
69, 38.309, 192.283

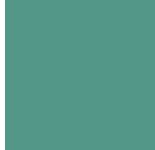
Monochromacy



Original Color
69, 51.349, 168.830



Achromatopsia
54, 0.007, 296.813



Achromatomaly
58, 25.633, 177.490

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 51.349, 168.830 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, 191, 149)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 149)  
}
```

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, 191, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 51.349, 168.830 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, 191, 149) }
```

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

```
.border{ border-color:rgb(0, 191, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 149);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 51.349, 168.830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 149) }
```

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

```
.background{ background-color: rgb(0, 191,  
149) }
```

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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