

Converting Colors

CIELCh(69, 50.229, 170.784)

Have a look what the booklet for
CIELCh(69, 50.229, 170.784)
contains.

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Color

CIELCh(69, 50.325, 170.376)

Conversions

Conversions Part 1

Format	Color
Hex	00BF98
RGB	0, 191, 152
RGB Percent	0%, 75%, 60%
CMY	1.0000, 0.2524, 0.4053
CMYK	1.00, 0.00, 0.20, 0.25
HSL	168°, 100%, 37%
HSV	168°, 100%, 75%
XYZ	24.1674, 39.3444, 35.8767
YIQ	129.4450, -101.3170, -52.6210

Conversions

Conversions Part 2

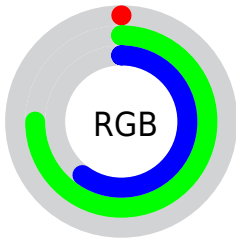
Format	Color
RYB	0, 106, 191
Decimal	49048
CIELab	69.00, -49.62, 8.41
CIELCh	69, 50.325, 170.376
Yxy	39.3444, 0.2432, 0.3959
Android (android.graphics.Color)	4278239128 (0xFF00BF98)
YUV	129.4450, 11.1196, -113.5233
Hunter-Lab	62.7251, -40.9945, 9.9956

Details

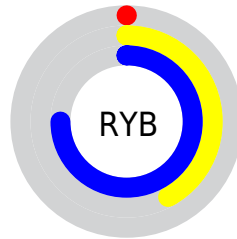
The CIELCh color **69, 50.325, 170.376** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **40, 74.537, 29.246**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 50.224, 170.364**, and **50, 41.597, 165.988** is the 20% darker color. If you saturate the color by 10%, you get **69, 50.269, 170.350**, and if you desaturate by 10%, it is **69, 48.271, 172.154**.

Distribution



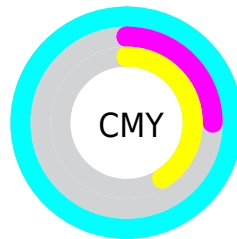
- Red (0%)
- Green (75%)
- Blue (60%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 50.325, 170.376 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, 50.325, 170.376 by changing the saturation by 10% instead.

 69, 50.325,
170.376

 69, 50.325,
170.376


 100, 50.325,
170.376


 59, 50.325,
170.376


 89, 50.325,
170.376

 49, 50.325,
170.376

 99, 50.325,
170.376

 39, 50.325,
170.376

 29, 50.325,
170.376

 19, 50.325,
170.376

 9, 50.325, 170.376

 0, 50.325, 170.376

■ 69, 50.325,
170.376

■ 69, 50.325,
170.376

■ 69, 50.269,
170.350

■ 69, 48.271,
172.154

■ 69, 45.655,
173.830

■ 70, 42.237,
175.340

■ 70, 38.004,
176.703

■ 71, 32.998,
177.941

■ 72, 27.307,
179.077

■ 73, 21.041,
180.133

■ 74, 14.323,

181.127

■ 76, 7.272, 182.090

Harmonies

Complementary

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



69, 50.325, 170.376



40, 74.537, 29.246

Rectangle

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



69, 50.325, 170.376



69, 50.325, 220.376



69, 50.325, 350.376



69, 50.325, 40.376

Sweetspot

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



69, 50.269, 170.350



92, 25.968, 180.084



68, 94.265, 134.468



49, 17.668, 179.640



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, 50.269, 170.350



87, 61.391, 170.024



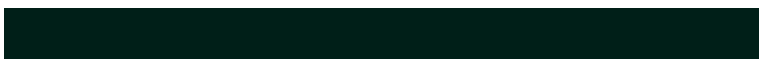
54, 38.400, 253.062



39, 4.090, 182.154



58, 43.609, 170.636



9, 13.189, 175.922

Inverse Universe

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



40, 74.537, 29.246



52, 91.409, 30.193



44, 76.704, 46.582



37, 4.241, 3.711



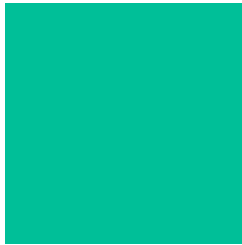
33, 64.434, 28.396



3, 12.542, 7.800

Previews

White Background



This preview shows how the CIE LCh color 69, 50.325, 170.376 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, 50.325, 170.376 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

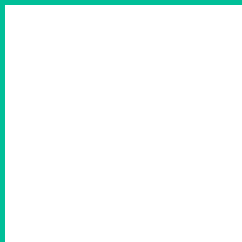
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 50.325, 170.376

Background



This preview shows how black text looks on a background with the CIELCh color 69, 50.325, 170.376.

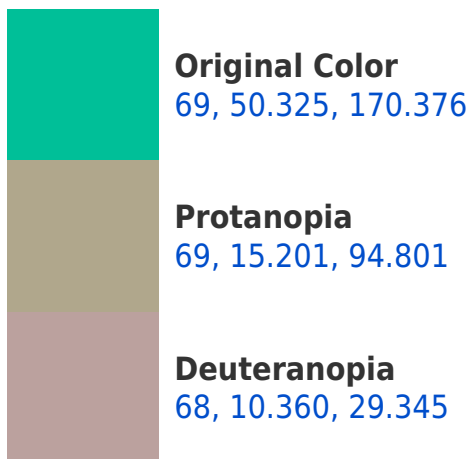


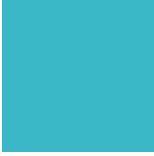
This preview shows how white text looks on a background with the CIELCh color 69, 50.325, 170.376.

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
69, 33.804, 211.257

Trichromacy



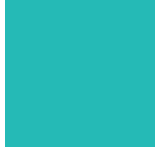
Original Color
69, 50.325, 170.376



Protanomaly
67, 29.439, 160.192



Deuteranomaly
66, 21.169, 172.829



Tritanomaly
69, 38.228, 193.120

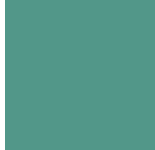
Monochromacy



Original Color
69, 50.325, 170.376



Achromatopsia
54, 0.007, 296.813



Achromatomaly
58, 25.367, 178.661

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 50.325, 170.376 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 50.325, 170.376 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, 152) }
```

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

```
.border{ border-color:rgb(0, 191, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 50.325, 170.376 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, 152) }
```

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

```
.background{ background-color: rgb(0, 191,  
152) }
```

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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