

Converting Colors

CIELCh(69, 52.087, 167.843)

Have a look what the booklet for
CIELCh(69, 52.087, 167.843)
contains.

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Color

CIELCh(69, 52.045, 167.831)

Conversions

Conversions Part 1

Format	Color
Hex	00BF93
RGB	0, 191, 147
RGB Percent	0%, 75%, 58%
CMY	1.0000, 0.2512, 0.4237
CMYK	1.00, 0.00, 0.23, 0.25
HSL	166°, 100%, 37%
HSV	166°, 100%, 75%
XYZ	23.8804, 39.3444, 33.9207
YIQ	128.8750, -99.7120, -54.1760

Conversions

Conversions Part 2

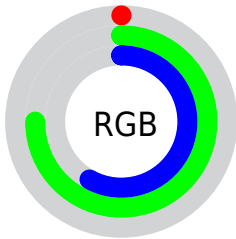
Format	Color
RYB	0, 108, 191
Decimal	49043
CIELab	69.00, -50.88, 10.97
CIELCh	69, 52.045, 167.831
Yxy	39.3444, 0.2458, 0.4050
Android (android.graphics.Color)	4278239123 (0xFF00BF93)
YUV	128.8750, 8.9356, -113.0234
Hunter-Lab	62.7251, -41.8112, 11.8445

Details

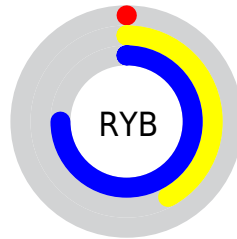
The CIELCh color **69, 52.045, 167.831** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **40, 73.408, 27.225**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 51.794, 167.922**, and **50, 43.543, 162.917** is the 20% darker color. If you saturate the color by 10%, you get **69, 52.038, 167.827**, and if you desaturate by 10%, it is **69, 49.817, 169.733**.

Distribution



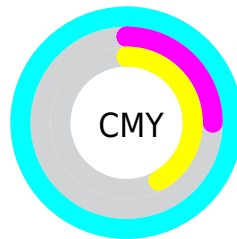
- Red (0%)
- Green (75%)
- Blue (58%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (25%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 52.045, 167.831 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, 52.045, 167.831 by changing the saturation by 10% instead.


 69, 52.045,
167.831


 69, 52.045,
167.831


 100, 52.045,
167.831


 59, 52.045,
167.831


 89, 52.045,
167.831

 49, 52.045,
167.831

 99, 52.045,
167.831

 39, 52.045,
167.831

 29, 52.045,
167.831

 19, 52.045,
167.831

 9, 52.045, 167.831

 0, 52.045, 167.831

■ 69, 52.045,
167.831

■ 69, 52.045,
167.831

■ 69, 52.038,
167.827

■ 69, 49.817,
169.733

■ 70, 46.981,
171.507

■ 70, 43.349,
173.103

■ 71, 38.909,
174.539

■ 71, 33.709,
175.838

■ 72, 27.838,
177.023

■ 73, 21.410,
178.117

■ 74, 14.549,

179.140

■ 76, 7.374, 180.124

Harmonies

Complementary

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



69, 52.045, 167.831



40, 73.408, 27.225

Rectangle

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



69, 52.045, 167.831



69, 52.045, 217.831



69, 52.045, 347.831



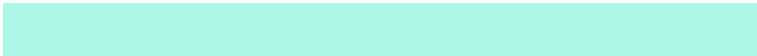
69, 52.045, 37.831

Sweetspot

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



69, 52.038, 167.827



92, 26.390, 178.067



68, 94.115, 134.247



49, 17.969, 177.608



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, 52.038, 167.827



87, 63.505, 167.485



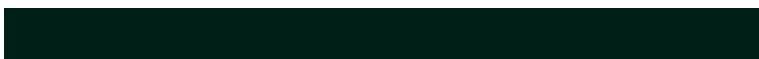
55, 37.580, 249.771



39, 4.142, 180.189



58, 45.064, 168.132



9, 13.459, 173.655

Inverse Universe

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



40, 73.408, 27.225



52, 89.853, 28.193



43, 77.464, 45.856



37, 4.283, 1.773



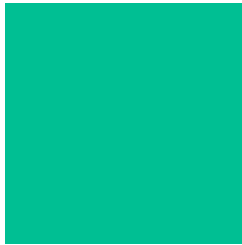
33, 63.411, 26.346



3, 12.614, 6.379

Previews

White Background



This preview shows how the CIELCh color 69, 52.045, 167.831 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, 52.045, 167.831 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, 52.045, 167.831

Background



This preview shows how black text looks on a background with the CIELCh color 69, 52.045, 167.831.

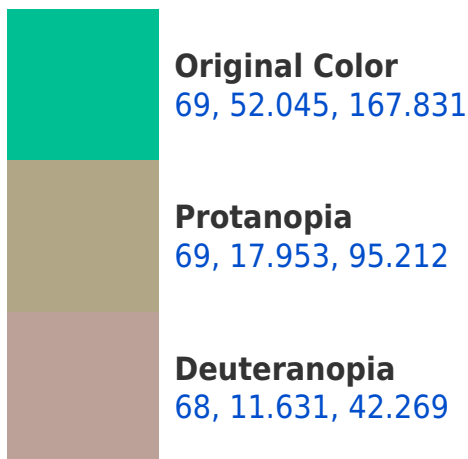


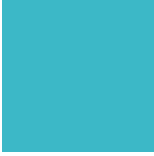
This preview shows how white text looks on a background with the CIELCh color 69, 52.045, 167.831.

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, 33.540, 211.390

Trichromacy



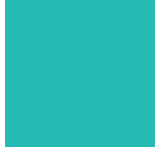
Original Color
69, 52.045, 167.831



Protanomaly
67, 31.104, 156.017



Deuteranomaly
66, 22.420, 166.280



Tritanomaly
69, 38.848, 190.664

Monochromacy



Original Color
69, 52.045, 167.831



Achromatopsia
54, 0.007, 296.813



Achromatomaly
58, 26.156, 176.557

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 52.045, 167.831 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 52.045, 167.831 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, 147) }
```

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

```
.border{ border-color:rgb(0, 191, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 147);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 52.045, 167.831 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, 147) }
```

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

```
.background{ background-color: rgb(0, 191,  
147) }
```

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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