

Converting Colors

CIELCh(67, 49.196, 169.226)

Have a look what the booklet for
CIELCh(67, 49.196, 169.226)
contains.

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Color

CIELCh(67, 49.422, 169.014)

Conversions

Conversions Part 1

Format	Color
Hex	0BB991
RGB	11, 185, 145
RGB Percent	4%, 73%, 57%
CMY	0.9554, 0.2761, 0.4329
CMYK	0.94, 0.00, 0.22, 0.28
HSL	166°, 88%, 38%
HSV	166°, 94%, 72%
XYZ	22.4867, 36.6320, 32.5177
YIQ	128.4140, -90.8640, -49.3280

Conversions

Conversions Part 2

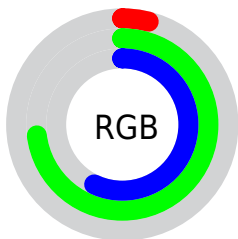
Format	Color
R_{YB}	11, 109, 185
Decimal	768401
CIE Lab	67.00, -48.52, 9.42
CIE LCh	67, 49.422, 169.014
Yxy	36.6320, 0.2454, 0.3998
Android (android.graphics.Color)	4278958481 (0xFF0BB991)
YUV	128.4140, 8.1769, -102.9721
Hunter-Lab	60.5244, -39.5993, 10.5125

Details

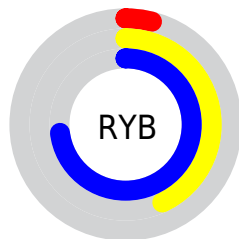
The CIELCh color **67, 49.422, 169.014** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **39, 68.620, 23.855**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 49.464, 169.139**, and **48, 41.325, 164.578** is the 20% darker color. If you saturate the color by 10%, you get **67, 50.730, 167.845**, and if you desaturate by 10%, it is **67, 46.924, 170.850**.

Distribution



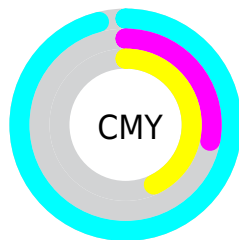
- Red (4%)
- Green (73%)
- Blue (57%)



- Red (4%)
- Yellow (43%)
- Blue (73%)



- Cyan (94%)
- Magenta (0%)
- Yellow (22%)
- Black (28%)





- Cyan (96%)
- Magenta (28%)
- Yellow (43%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 49.422, 169.014 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 67, 49.422, 169.014 by changing the saturation by 10% instead.


 67, 49.422,
169.014


 67, 49.422,
169.014


 100, 49.422,
169.014


 57, 49.422,
169.014


 87, 49.422,
169.014

 47, 49.422,
169.014

 97, 49.422,
169.014

 37, 49.422,
169.014

 27, 49.422,
169.014

 17, 49.422,
169.014

 7, 49.422, 169.014

 0, 49.422, 169.014

■ 67, 49.422,
169.014

■ 67, 49.422,
169.014

■ 67, 50.730,
167.845

■ 67, 46.924,
170.850

■ 68, 43.677,
172.507

■ 68, 39.642,
173.997

■ 69, 34.847,
175.341

■ 70, 29.365,
176.563

■ 71, 23.299,
177.687

■ 72, 16.767,
178.732

■ 73, 9.889, 179.723

Harmonies

Complementary

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



67, 49.422, 169.014



39, 68.620, 23.855

Rectangle

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



67, 49.422, 169.014



67, 49.422, 219.014



67, 49.422, 349.014



67, 49.422, 39.014

Sweetspot

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



67, 49.422, 169.013



90, 24.125, 178.258



66, 89.749, 133.980



47, 16.487, 177.805



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



67, 49.422, 169.013



85, 62.010, 167.489



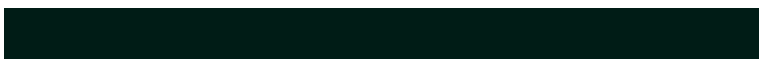
54, 35.614, 246.835



38, 4.050, 180.165



57, 44.531, 168.128



8, 11.862, 173.904

Inverse Universe

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



39, 68.620, 23.855



50, 87.648, 28.060



43, 71.366, 46.148



36, 4.187, 1.743



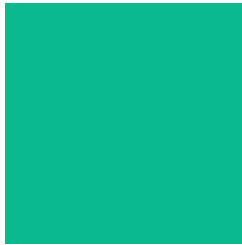
32, 62.606, 26.234



2, 10.988, 5.662

Previews

White Background



This preview shows how the CIELCh color 67, 49.422, 169.014 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 67, 49.422, 169.014 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 67, 49.422, 169.014

Background



This preview shows how black text looks on a background with the CIELCh color 67, 49.422, 169.014.

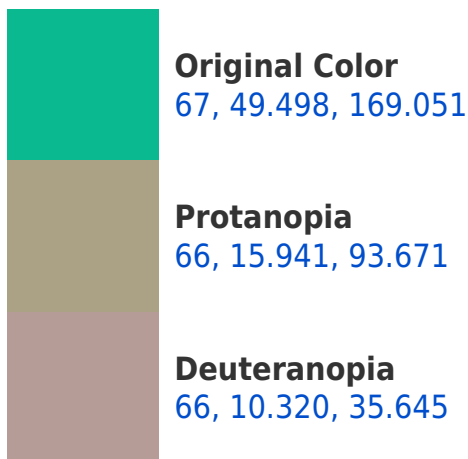


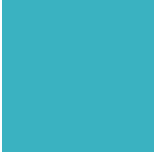
This preview shows how white text looks on a background with the CIELCh color 67, 49.422, 169.014.

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
67, 32.693, 211.874

Trichromacy



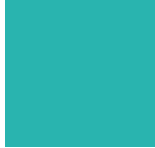
Original Color
67, 49.498, 169.051



Protanomaly
65, 28.188, 156.659



Deuteranomaly
64, 19.810, 169.117



Tritanomaly
67, 36.956, 192.137

Monochromacy



Original Color
67, 49.498, 169.051



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 24.067, 176.257

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 49.422, 169.014 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(11, 185, 145)` looks like.

```
.text, #text, p{  
    color:rgb(11, 185, 145)  
}
```

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(11, 185, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 185, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 49.422, 169.014 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(11, 185, 145) }
```

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

```
.border{ border-color:rgb(11, 185, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 185, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(11, 185, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(11, 185, 145); box-shadow:4px 4px 4px 4px rgb(11, 185, 145) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 49.422, 169.014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 185, 145) }
```

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

```
.background{ background-color: rgb(11, 185,  
145) }
```

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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