

Converting Colors

CIELCh(67, 58.244, 170.740)

Have a look what the booklet for
CIELCh(67, 58.244, 170.740)
contains.

CIELCh(68, 51.661, 167.510)	3
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Color

CIELCh(68, 51.661, 167.510)

Conversions

Conversions Part 1

Format	Color
Hex	00BC90
RGB	0, 188, 144
RGB Percent	0%, 74%, 56%
CMY	1.0000, 0.2628, 0.4354
CMYK	1.00, 0.00, 0.23, 0.26
HSL	166°, 100%, 37%
HSV	166°, 100%, 74%
XYZ	23.0117, 37.9720, 32.4956
YIQ	126.7720, -97.9240, -53.5400

Conversions

Conversions Part 2

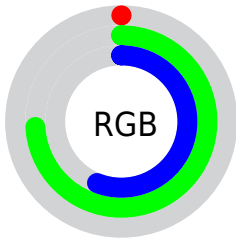
Format	Color
RYB	0, 106, 188
Decimal	48272
CIELab	68.00, -50.44, 11.17
CIELCh	68, 51.661, 167.510
Yxy	37.9720, 0.2462, 0.4062
Android (android.graphics.Color)	4278238352 (0xFF00BC90)
YUV	126.7720, 8.4934, -111.1790
Hunter-Lab	61.6215, -41.1791, 11.8689

Details

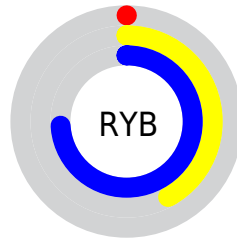
The CIELCh color **68, 51.661, 167.510** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **39, 72.355, 26.863**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 51.442, 167.638**, and **49, 42.766, 163.037** is the 20% darker color. If you saturate the color by 10%, you get **68, 51.660, 167.509**, and if you desaturate by 10%, it is **68, 49.426, 169.422**.

Distribution



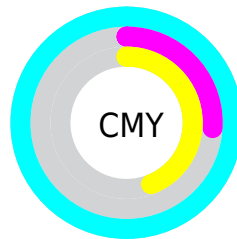
- Red (0%)
- Green (74%)
- Blue (56%)



- Red (0%)
- Yellow (42%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 51.661, 167.510 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 68, 51.661, 167.510 by changing the saturation by 10% instead.


 68, 51.661,
167.510


 68, 51.661,
167.510


 100, 51.661,
167.510


 58, 51.661,
167.510


 88, 51.661,
167.510

 48, 51.661,
167.510

 98, 51.661,
167.510

 38, 51.661,
167.510

 28, 51.661,
167.510

 18, 51.661,
167.510

 8, 51.661, 167.510

 0, 51.661, 167.510

■ 68, 51.661,
167.510

■ 68, 51.661,
167.510

■ 68, 51.660,
167.509

■ 68, 49.426,
169.422

■ 69, 46.588,
171.205

■ 69, 42.966,
172.809

■ 70, 38.549,
174.251

■ 70, 33.384,
175.555

■ 71, 27.560,
176.745

■ 72, 21.189,
177.842

■ 73, 14.395,

178.867

■ 75, 7.294, 179.852

Harmonies

Complementary

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



68, 51.661, 167.510



39, 72.355, 26.863

Rectangle

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



68, 51.661, 167.510



68, 51.661, 217.510



68, 51.661, 347.510



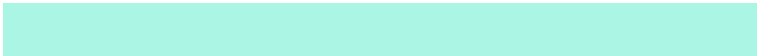
68, 51.661, 37.510

Sweetspot

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



68, 51.660, 167.509



91, 26.231, 177.790



67, 92.724, 133.996



48, 17.714, 177.335



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



68, 51.660, 167.509



86, 63.299, 167.153



55, 36.393, 246.308



39, 4.149, 179.916



58, 45.273, 167.792



9, 13.498, 173.343

Inverse Universe

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



39, 72.355, 26.863



51, 88.916, 27.867



42, 77.170, 45.214



37, 4.289, 1.503



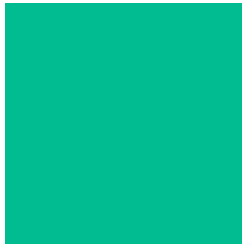
33, 63.273, 26.049



3, 12.625, 6.181

Previews

White Background



This preview shows how the CIE LCh color 68, 51.661, 167.510 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 68, 51.661, 167.510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

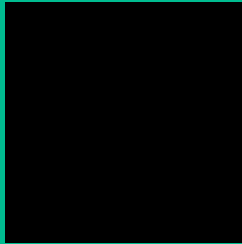
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 51.661, 167.510

Background



This preview shows how black text looks on a background with the CIELCh color 68, 51.661, 167.510.

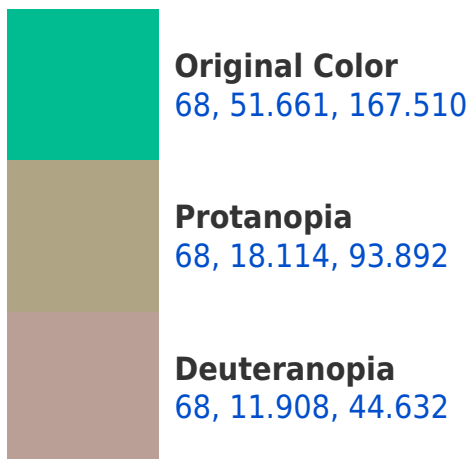


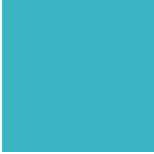
This preview shows how white text looks on a background with the CIELCh color 68, 51.661, 167.510.

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
68, 33.117, 211.628

Trichromacy



Original Color
68, 51.661, 167.510



Protanomaly
66, 30.941, 155.590



Deuteranomaly
66, 22.795, 165.102



Tritanomaly
68, 38.330, 190.573

Monochromacy



Original Color
68, 51.661, 167.510



Achromatopsia
53, 0.007, 296.813



Achromatomaly
57, 25.669, 176.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 51.661, 167.510 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, 188, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 144)  
}
```

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, 188, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 51.661, 167.510 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, 188, 144) }
```

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

```
.border{ border-color:rgb(0, 188, 144) }
```

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

Here you see how a box with a 4 pixel rgb(0, 188, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 51.661, 167.510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 144) }
```

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

```
.background{ background-color: rgb(0, 188,  
144) }
```

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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