

Converting Colors

CIELCh(67, 51.713, 173.707)

Have a look what the booklet for
CIELCh(67, 51.713, 173.707)
contains.

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Color

CIELCh(68, 48.322, 172.051)

Conversions

Conversions Part 1

Format	Color
Hex	06BB98
RGB	6, 187, 152
RGB Percent	2%, 73%, 60%
CMY	0.9770, 0.2655, 0.4031
CMYK	0.97, 0.00, 0.19, 0.27
HSL	168°, 94%, 38%
HSV	168°, 97%, 73%
XYZ	23.5881, 37.9720, 35.8820
YIQ	128.8910, -96.6410, -49.2570

Conversions

Conversions Part 2

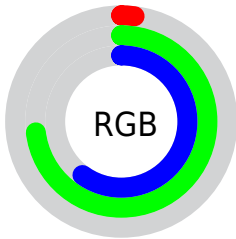
Format	Color
RYB	6, 106, 187
Decimal	441240
CIELab	68.00, -47.86, 6.68
CIELCh	68, 48.322, 172.051
Yxy	37.9720, 0.2421, 0.3897
Android (android.graphics.Color)	4278631320 (0xFF06BB98)
YUV	128.8910, 11.3927, -107.7754
Hunter-Lab	61.6215, -39.5094, 8.6107

Details

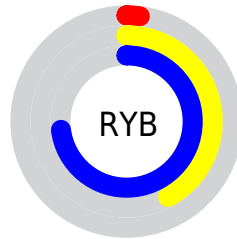
The CIELCh color **68, 48.322, 172.051** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **39, 72.402, 28.475**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 48.294, 171.978**, and **49, 40.056, 167.525** is the 20% darker color. If you saturate the color by 10%, you get **68, 48.896, 171.506**, and if you desaturate by 10%, it is **68, 46.305, 173.782**.

Distribution



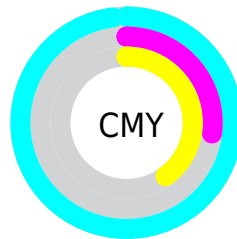
- Red (2%)
- Green (73%)
- Blue (60%)



- Red (2%)
- Yellow (42%)
- Blue (73%)



- Cyan (97%)
- Magenta (0%)
- Yellow (19%)
- Black (27%)





- Cyan (98%)
- Magenta (27%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 48.322, 172.051 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, 48.322, 172.051 by changing the saturation by 10% instead.


 68, 48.322,
172.051


 68, 48.322,
172.051


 100, 48.322,
172.051


 58, 48.322,
172.051


 88, 48.322,
172.051

 48, 48.322,
172.051

 98, 48.322,
172.051

 38, 48.322,
172.051

 28, 48.322,
172.051

 18, 48.322,
172.051

 8, 48.322, 172.051

 0, 48.322, 172.051

■ 68, 48.322,
172.051

■ 68, 48.322,
172.051

■ 68, 48.896,
171.506

■ 68, 46.305,
173.782

■ 69, 43.566,
175.355

■ 69, 40.022,
176.774

■ 70, 35.679,
178.058

■ 70, 30.593,
179.232

■ 71, 24.858,
180.317

■ 72, 18.588,
181.332

■ 74, 11.901,

182.298

■ 75, 4.912, 183.260

Harmonies

Complementary

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



68, 48.322, 172.051



39, 72.402, 28.475

Rectangle

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



68, 48.322, 172.051



68, 48.322, 222.051



68, 48.322, 352.051



68, 48.322, 42.051

Sweetspot

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



68, 48.322, 172.050



91, 24.582, 181.074



67, 92.300, 134.592



48, 16.819, 180.639



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, 48.322, 172.050



86, 59.547, 171.187



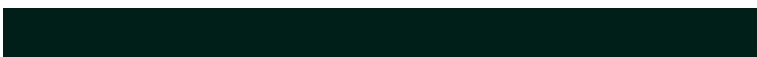
52, 38.161, 254.678



39, 4.069, 183.012



58, 43.003, 171.759



9, 13.077, 176.922

Inverse Universe

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



39, 72.402, 28.475



51, 90.602, 30.943



44, 72.893, 47.563



37, 4.224, 4.555



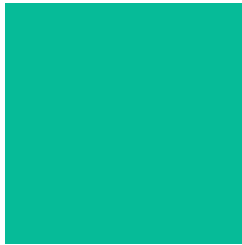
33, 64.894, 29.240



3, 12.513, 8.414

Previews

White Background



This preview shows how the CIELCh color 68, 48.322, 172.051 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, 48.322, 172.051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

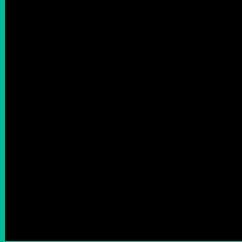
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 48.322, 172.051

Background



This preview shows how black text looks on a background with the CIELCh color 68, 48.322, 172.051.

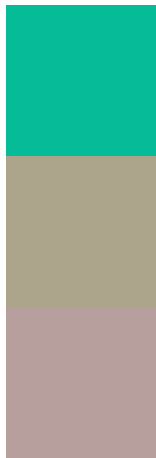


This preview shows how white text looks on a background with the CIELCh color 68, 48.322, 172.051.

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

68, 48.255, 172.062

Protanopia

68, 13.658, 93.373

Deuteranopia

68, 9.419, 23.538



Tritanopia
68, 33.511, 211.426

Trichromacy



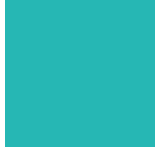
Original Color
68, 48.255, 172.062



Protanomaly
66, 27.030, 162.146



Deuteranomaly
66, 19.513, 175.969



Tritanomaly
68, 37.446, 193.924

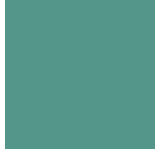
Monochromacy



Original Color
68, 48.255, 172.062



Achromatopsia
54, 0.007, 296.813



Achromatomaly
58, 24.331, 179.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 48.322, 172.051 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(6, 187, 152)` looks like.

```
.text, #text, p{  
    color:rgb(6, 187, 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(6, 187, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 187, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 48.322, 172.051 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(6, 187, 152) }
```

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

```
.border{ border-color:rgb(6, 187, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 187, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 187, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 187, 152);  
box-shadow:4px 4px 4px 4px rgb(6, 187,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 48.322, 172.051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 187, 152) }
```

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

```
.background{ background-color: rgb(6, 187,  
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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