

Converting Colors

CIELCh(68, 37.945, 198.740)

Have a look what the booklet for
CIELCh(68, 37.945, 198.740)
contains.

CIELCh(68, 37.900, 199.037)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(68, 37.900, 199.037)

Conversions

Conversions Part 1

Format	Color
Hex	17B8BB
RGB	23, 184, 187
RGB Percent	9%, 72%, 73%
CMY	0.9115, 0.2791, 0.2673
CMYK	0.88, 0.02, 0.00, 0.27
HSL	181°, 78%, 41%
HSV	181°, 88%, 73%
XYZ	26.4026, 37.9720, 52.8619
YIQ	136.2030, -96.9190, -33.1990

Conversions

Conversions Part 2

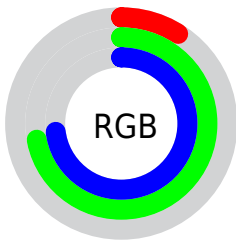
Format	Color
RYP	23, 104, 187
Decimal	1554619
CIELab	68.00, -35.83, -12.36
CIElCh	68, 37.900, 199.037
Yxy	37.9720, 0.2252, 0.3239
Android (android.graphics.Color)	4279744699 (0xFF17B8BB)
YUV	136.2030, 25.0429, -99.2790
Hunter-Lab	61.6215, -31.3566, -7.7269

Details

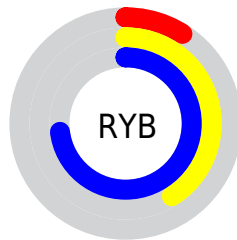
The CIELCh color **68, 37.900, 199.037** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **40, 75.262, 36.884**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 38.017, 198.595**, and **49, 29.848, 201.058** is the 20% darker color. If you saturate the color by 10%, you get **68, 38.556, 199.229**, and if you desaturate by 10%, it is **68, 36.537, 198.930**.

Distribution



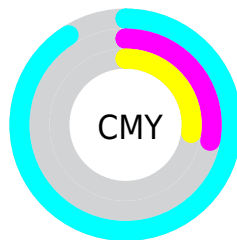
- Red (9%)
- Green (72%)
- Blue (73%)



- Red (9%)
- Yellow (41%)
- Blue (73%)



- Cyan (88%)
- Magenta (2%)
- Yellow (0%)
- Black (27%)





- Cyan (91%)
- Magenta (28%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 37.900, 199.037 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, 37.900, 199.037 by changing the saturation by 10% instead.


 68, 37.900,
199.037


 68, 37.900,
199.037


 100, 37.900,
199.037


 58, 37.900,
199.037


 88, 37.900,
199.037

 48, 37.900,
199.037

 98, 37.900,
199.037

 38, 37.900,
199.037

 28, 37.900,
199.037

 18, 37.900,
199.037

 8, 37.900, 199.037

 0, 37.900, 199.037

■ 68, 37.900,
199.037

■ 68, 37.900,
199.037

■ 68, 38.556,
199.229

■ 68, 36.537,
198.930

■ 68, 38.661,
199.273

■ 69, 34.347,
198.919

■ 69, 31.304,
199.003

■ 70, 27.434,
199.177

■ 71, 22.799,
199.435

■ 72, 17.491,
199.768

■ 73, 11.615,
200.174

■ 75, 5.278, 200.672

Harmonies

Complementary

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



68, 37.900, 199.037



40, 75.262, 36.884

Rectangle

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



68, 37.900, 199.037



68, 37.900, 249.037



68, 37.900, 19.037



68, 37.900, 69.037

Sweetspot

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



68, 37.899, 199.036



91, 20.224, 199.825



66, 90.948, 136.773



48, 13.641, 199.697



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, 37.899, 199.036



86, 46.960, 199.321



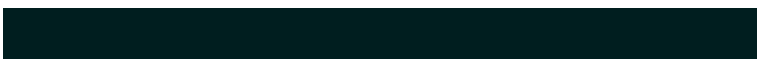
43, 51.884, 280.445



39, 3.792, 200.591



58, 34.179, 199.236



9, 11.376, 199.012

Inverse Universe

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



45, 87.515, 328.793



57, 109.561, 328.983



53, 61.365, 64.932



37, 6.981, 325.420



37, 79.716, 328.961



3, 21.111, 326.083

Previews

White Background



This preview shows how the CIELCh color 68, 37.900, 199.037 looks on a white background.

Color Contrast Check

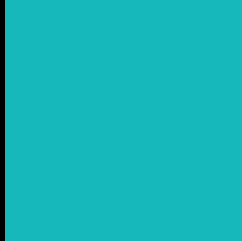
Large Text (above 18pt) WCAG AA × Fail

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, 37.900, 199.037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

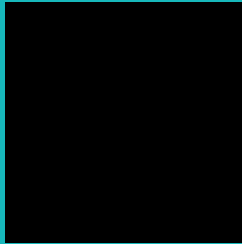
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

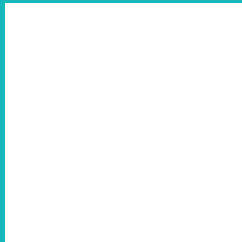
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 37.900, 199.037

Background



This preview shows how black text looks on a background with the CIELCh color 68, 37.900, 199.037.

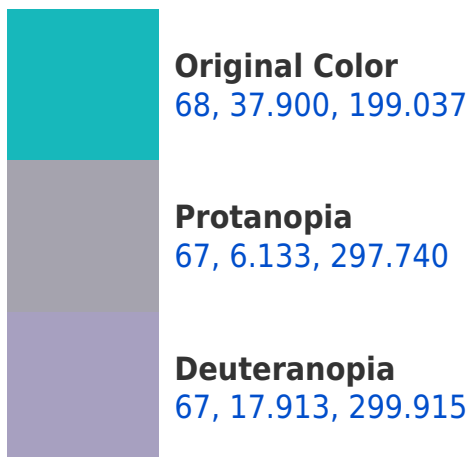


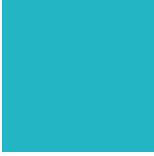
This preview shows how white text looks on a background with the CIELCh color 68, 37.900, 199.037.

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, 35.699, 210.368

Trichromacy



Original Color
68, 37.900, 199.037



Protanomaly
66, 19.573, 211.079



Deuteranomaly
66, 20.723, 232.614



Tritanomaly
68, 36.471, 205.479

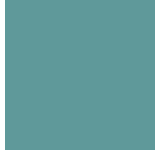
Monochromacy



Original Color
68, 37.900, 199.037



Achromatopsia
57, 0.007, 296.813



Achromatomaly
59, 19.716, 199.306

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 37.900, 199.037 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(23, 184, 187)` looks like.

```
.text, #text, p{  
    color:rgb(23, 184, 187)  
}
```

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(23, 184, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 184, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 37.900, 199.037 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(23, 184, 187) }
```

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

```
.border{ border-color:rgb(23, 184, 187) }
```

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

Here you see how a box with a 4 pixel rgb(23, 184, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 184, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 184, 187);  
box-shadow:4px 4px 4px 4px rgb(23, 184,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 37.900, 199.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 184, 187) }
```

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

```
.background{ background-color: rgb(23, 184,  
187) }
```

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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