

Converting Colors

CIELCh(68, 37.062, 189.652)

Have a look what the booklet for
CIELCh(68, 37.062, 189.652)
contains.

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Color

CIELCh(68, 37.191, 189.616)

Conversions

Conversions Part 1

Format	Color
Hex	32B8B0
RGB	50, 184, 176
RGB Percent	20%, 72%, 69%
CMY	0.8053, 0.2794, 0.3107
CMYK	0.73, 0.00, 0.04, 0.28
HSL	176°, 57%, 46%
HSV	176°, 73%, 72%
XYZ	26.1989, 37.9720, 46.8972
YIQ	143.0220, -77.2960, -30.8960

Conversions

Conversions Part 2

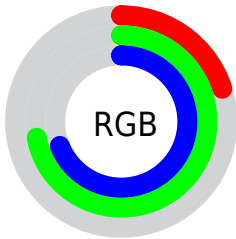
Format	Color
RYB	50, 119, 184
Decimal	3324080
CIELab	68.00, -36.67, -6.21
CIELCh	68, 37.191, 189.616
Yxy	37.9720, 0.2359, 0.3419
Android (android.graphics.Color)	4281514160 (0xFF32B8B0)
YUV	143.0220, 16.2582, -81.5803
Hunter-Lab	61.6215, -31.9467, -1.9878

Details

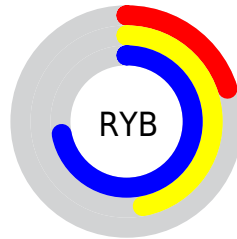
The CIELCh color **68, 37.191, 189.616** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **42, 60.376, 27.282**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 37.281, 189.694**, and **49, 31.541, 189.742** is the 20% darker color. If you saturate the color by 10%, you get **68, 39.298, 188.922**, and if you desaturate by 10%, it is **68, 34.250, 190.283**.

Distribution



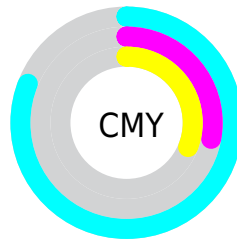
- Red (20%)
- Green (72%)
- Blue (69%)



- Red (20%)
- Yellow (47%)
- Blue (72%)



- Cyan (73%)
- Magenta (0%)
- Yellow (4%)
- Black (28%)





- Cyan (81%)
- Magenta (28%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 37.191, 189.616 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, 37.191, 189.616 by changing the saturation by 10% instead.

 68, 37.191,
189.616


 68, 37.191,
189.616


 100, 37.191,
189.616


 58, 37.191,
189.616


 88, 37.191,
189.616

 48, 37.191,
189.616

 98, 37.191,
189.616

 38, 37.191,
189.616

 28, 37.191,
189.616

 18, 37.191,
189.616

 8, 37.191, 189.616

 0, 37.191, 189.616

■ 68, 37.191,
189.616

■ 68, 37.191,
189.616

■ 68, 39.298,
188.922

■ 68, 34.250,
190.283

■ 68, 40.620,
188.191

■ 69, 30.486,
190.939

■ 67, 41.232,
187.661

■ 70, 25.951,
191.595

■ 71, 20.732,
192.256

■ 72, 14.932,
192.930

■ 73, 8.663, 193.628

■ 74, 2.033, 194.502

■ 76, 4.859, 14.834

Harmonies

Complementary

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



68, 37.191, 189.616



42, 60.376, 27.282

Rectangle

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



68, 37.191, 189.616



68, 37.191, 239.616



68, 37.191, 9.616



68, 37.191, 59.616

Sweetspot

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



68, 37.191, 189.615



91, 17.768, 192.972



66, 80.569, 136.945



48, 11.836, 192.789



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



68, 37.191, 189.615



86, 49.114, 188.452



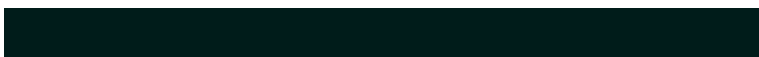
51, 37.470, 264.462



38, 3.808, 193.898



58, 36.430, 187.766



8, 10.717, 191.027

Inverse Universe

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



42, 60.376, 27.282



51, 89.189, 33.878



53, 51.025, 60.049



36, 4.010, 15.089



32, 69.642, 37.156



2, 10.668, 15.781

Previews

White Background



This preview shows how the CIE LCh color 68, 37.191, 189.616 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 CIELCh color 68, 37.191, 189.616 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

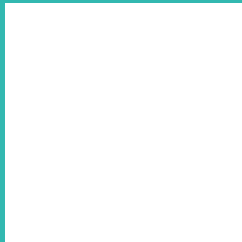
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 37.191, 189.616

Background



This preview shows how black text looks on a background with the CIELCh color 68, 37.191, 189.616.

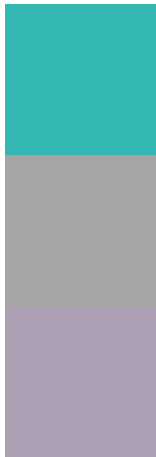


This preview shows how white text looks on a background with the CIELCh color 68, 37.191, 189.616.

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](#).

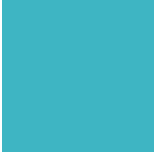
Dichromacy



Original Color
68, 37.191, 189.616

Protanopia
68, 1.142, 19.090

Deuteranopia
68, 12.605, 313.585



Tritanopia
68, 32.699, 210.822

Trichromacy



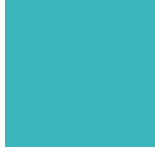
Original Color
68, 37.191, 189.616



Protanomaly
67, 16.634, 192.258



Deuteranomaly
67, 14.932, 220.224



Tritanomaly
68, 33.786, 202.504

Monochromacy



Original Color
68, 37.191, 189.616



Achromatopsia
59, 0.008, 296.813



Achromatomaly
62, 17.387, 192.266

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 37.191, 189.616 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(50, 184, 176)` looks like.

```
.text, #text, p{  
    color:rgb(50, 184, 176)  
}
```

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(50, 184, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 184, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 37.191, 189.616 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(50, 184, 176) }
```

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

```
.border{ border-color:rgb(50, 184, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 184, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 184, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 184, 176);  
box-shadow:4px 4px 4px 4px rgb(50, 184,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 37.191, 189.616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 184, 176) }
```

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

```
.background{ background-color: rgb(50, 184,  
176) }
```

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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