

Converting Colors

CIELCh(73, 37.968, 209.327)

Have a look what the booklet for
CIELCh(73, 37.968, 209.327)
contains.

CIELCh(73, 37.968, 209.331)	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(73, 37.968, 209.331)

Conversions

Conversions Part 1

Format	Color
Hex	28C5D4
RGB	40, 197, 212
RGB Percent	16%, 77%, 83%
CMY	0.8427, 0.2272, 0.1684
CMYK	0.81, 0.07, 0.00, 0.17
HSL	185°, 68%, 49%
HSV	185°, 81%, 83%
XYZ	32.7467, 45.1644, 69.3125
YIQ	151.7670, -98.3870, -28.6190

Conversions

Conversions Part 2

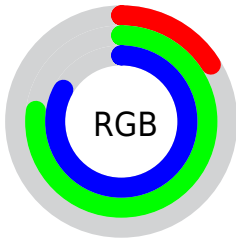
Format	Color
RYB	40, 122, 212
Decimal	2672084
CIELab	73.00, -33.10, -18.60
CIELCh	73, 37.968, 209.331
Yxy	45.1644, 0.2224, 0.3068
Android (android.graphics.Color)	4280862164 (0xFF28C5D4)
YUV	151.7670, 29.6949, -98.0197
Hunter-Lab	67.2044, -30.6303, -14.1067

Details

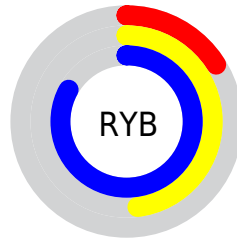
The CIELCh color **73, 37.968, 209.331** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **48, 75.173, 37.224**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.754, 197.817**, and **54, 31.369, 211.823** is the 20% darker color. If you saturate the color by 10%, you get **72, 38.925, 210.530**, and if you desaturate by 10%, it is **74, 36.132, 208.413**.

Distribution



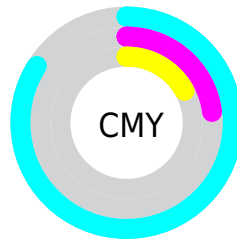
- Red (16%)
- Green (77%)
- Blue (83%)



- Red (16%)
- Yellow (48%)
- Blue (83%)



- Cyan (81%)
- Magenta (7%)
- Yellow (0%)
- Black (17%)





- Cyan (84%)
- Magenta (23%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 37.968, 209.331 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 73, 37.968, 209.331 by changing the saturation by 10% instead.


 73, 37.968,
209.331


 73, 37.968,
209.331


 100, 37.968,
209.331


 63, 37.968,
209.331


 93, 37.968,
209.331

 53, 37.968,
209.331

 43, 37.968,
209.331

 33, 37.968,
209.331

 23, 37.968,
209.331

 13, 37.968,
209.331

 3, 37.968, 209.331

0, 37.968, 209.331

73, 37.968,
209.331

73, 37.968,
209.331

72, 38.925,
210.530

74, 36.132,
208.413

72, 39.217,
211.816

75, 33.372,
207.750

76, 29.703,
207.308

78, 25.189,
207.054

79, 19.926,
206.960

81, 14.024,
207.001

■ 83, 7.599, 207.168

■ 85, 0.761, 208.070

■ 87, 6.393, 27.493

Harmonies

Complementary

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



73, 37.968, 209.331



48, 75.173, 37.224

Rectangle

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



73, 37.968, 209.331



73, 37.968, 259.331



73, 37.968, 29.331



73, 37.968, 79.331

Sweetspot

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



73, 37.967, 209.330



95, 18.340, 206.974



75, 93.664, 138.550



50, 12.433, 206.959



0, 0.000, 0.000



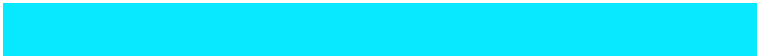
53, 0.007, 296.813

Same Dimension

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



73, 37.967, 209.330



85, 44.985, 211.536



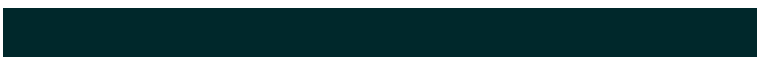
48, 59.562, 283.965



44, 3.941, 207.211



59, 33.425, 211.562



14, 13.309, 208.522

Inverse Universe

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



51, 89.088, 331.275



59, 107.489, 331.997



64, 63.359, 72.167



42, 7.393, 327.404



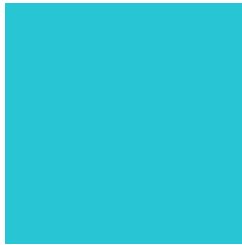
40, 79.974, 332.017



6, 30.922, 331.084

Previews

White Background



This preview shows how the CIELCh color 73, 37.968, 209.331 looks on a white background.

Color Contrast Check

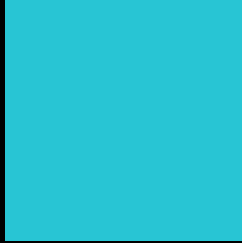
Large Text (above 18pt) WCAG AA × Fail

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 73, 37.968, 209.331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

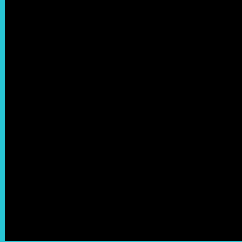
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 37.968, 209.331

Background



This preview shows how black text looks on a background with the CIELCh color 73, 37.968, 209.331.

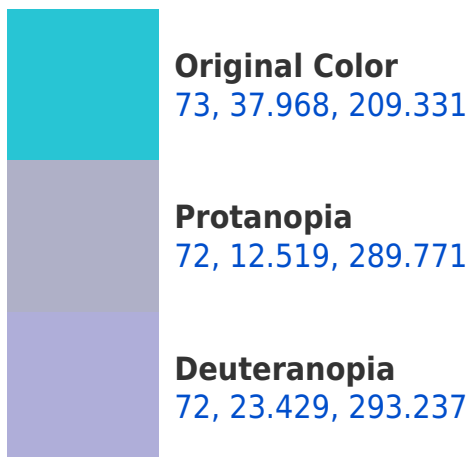


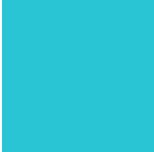
This preview shows how white text looks on a background with the CIELCh color 73, 37.968, 209.331.

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



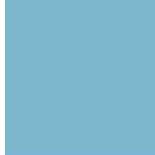


Tritanopia
73, 37.863, 210.242

Trichromacy



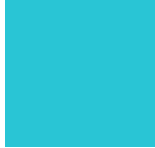
Original Color
73, 37.968, 209.331



Protanomaly
72, 21.114, 229.517



Deuteranomaly
71, 24.398, 246.417



Tritanomaly
73, 37.863, 210.242

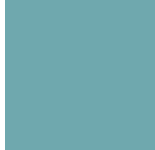
Monochromacy



Original Color
73, 37.968, 209.331



Achromatopsia
63, 0.008, 296.813



Achromatomaly
65, 19.243, 207.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 37.968, 209.331 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(40, 197, 212)` looks like.

```
.text, #text, p{  
    color:rgb(40, 197, 212)  
}
```

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(40, 197, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 197, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 37.968, 209.331 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(40, 197, 212) }
```

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

```
.border{ border-color:rgb(40, 197, 212) }
```

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

Here you see how a box with a 4 pixel rgb(40, 197, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 197, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 197, 212);  
box-shadow:4px 4px 4px 4px rgb(40, 197,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 37.968, 209.331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 197, 212) }
```

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

```
.background{ background-color: rgb(40, 197,  
212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor