

Converting Colors

CIELCh(73, 37.358, 203.266)

Have a look what the booklet for
CIELCh(73, 37.358, 203.266)
contains.

CIELCh(73, 37.273, 203.515)	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, 37.273, 203.515)

Conversions

Conversions Part 1

Format	Color
Hex	33C5CD
RGB	51, 197, 205
RGB Percent	20%, 77%, 80%
CMY	0.7986, 0.2266, 0.1952
CMYK	0.75, 0.04, 0.00, 0.20
HSL	183°, 61%, 50%
HSV	183°, 75%, 80%
XYZ	32.4457, 45.1644, 64.9046
YIQ	154.2580, -89.5840, -28.4640

Conversions

Conversions Part 2

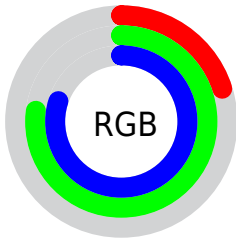
Format	Color
RYB	51, 126, 205
Decimal	3392973
CIELab	73.00, -34.18, -14.87
CIELCh	73, 37.273, 203.515
Yxy	45.1644, 0.2277, 0.3169
Android (android.graphics.Color)	4281583053 (0xFF33C5CD)
YUV	154.2580, 25.0158, -90.5573
Hunter-Lab	67.2044, -31.4295, -10.2179

Details

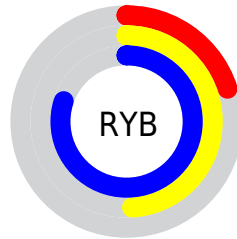
The CIELCh color **73, 37.273, 203.515** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **48, 68.403, 34.136**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.776, 197.894**, and **54, 31.636, 205.069** is the 20% darker color. If you saturate the color by 10%, you get **72, 38.818, 204.023**, and if you desaturate by 10%, it is **74, 34.821, 203.177**.

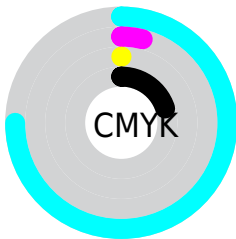
Distribution



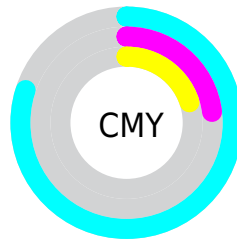
- Red (20%)
- Green (77%)
- Blue (80%)



- Red (20%)
- Yellow (49%)
- Blue (80%)



- Cyan (75%)
- Magenta (4%)
- Yellow (0%)
- Black (20%)





- Cyan (80%)
- Magenta (23%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 37.273, 203.515 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, 37.273, 203.515 by changing the saturation by 10% instead.


 73, 37.273,
203.515


 73, 37.273,
203.515


 100, 37.273,
203.515


 63, 37.273,
203.515


 93, 37.273,
203.515

 53, 37.273,
203.515

 43, 37.273,
203.515

 33, 37.273,
203.515

 23, 37.273,
203.515

 13, 37.273,
203.515

 3, 37.273, 203.515

■ 0, 37.273, 203.515

■ 73, 37.273,
203.515

■ 73, 37.273,
203.515

■ 72, 38.818,
204.023

■ 74, 34.821,
203.177

■ 72, 39.531,
204.712

■ 75, 31.455,
202.996

■ 72, 39.700,
205.104

■ 76, 27.220,
202.955

■ 77, 22.197,
203.036

■ 78, 16.490,
203.223

■ 80, 10.213,
203.507

■ 82, 3.482, 203.946

■ 83, 3.600, 24.012

■ 85, 10.939, 24.546

Harmonies

Complementary

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



73, 37.273, 203.515



48, 68.403, 34.136

Rectangle

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



73, 37.273, 203.515



73, 37.273, 253.515



73, 37.273, 23.515



73, 37.273, 73.515

Sweetspot

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



73, 37.272, 203.514



96, 17.493, 203.290



73, 88.365, 138.609



50, 11.641, 203.222



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, 37.272, 203.514



88, 46.346, 204.427



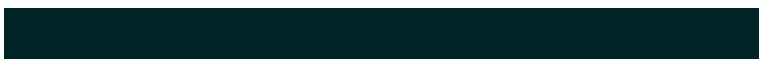
50, 50.588, 278.524



42, 3.911, 203.716



59, 33.902, 204.963



12, 12.784, 203.084

Inverse Universe

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



51, 85.564, 329.682



60, 109.158, 330.196



62, 57.234, 70.299



40, 7.276, 326.367



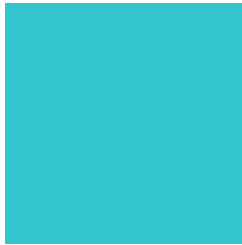
39, 80.394, 330.395



5, 27.855, 329.233

Previews

White Background



This preview shows how the CIELCh color 73, 37.273, 203.515 looks on a white background.

Color Contrast Check

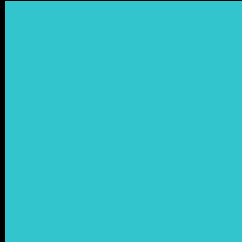
Large Text (above 18pt) WCAG AA × Fail

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, 37.273, 203.515 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

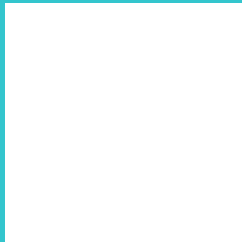
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 37.273, 203.515

Background



This preview shows how black text looks on a background with the CIELCh color 73, 37.273, 203.515.

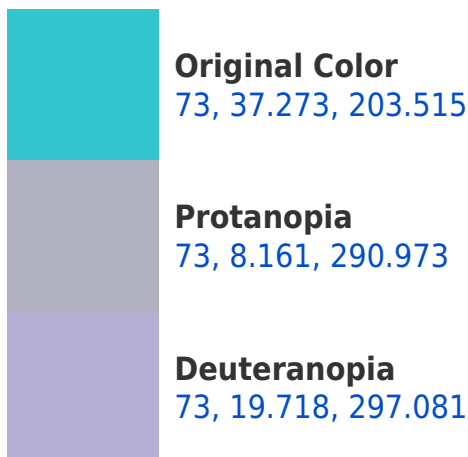


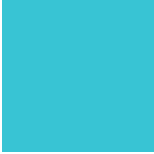
This preview shows how white text looks on a background with the CIELCh color 73, 37.273, 203.515.

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, 36.207, 210.979

Trichromacy



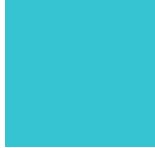
Original Color
73, 37.273, 203.515



Protanomaly
72, 18.607, 220.720



Deuteranomaly
72, 20.721, 241.986



Tritanomaly
73, 36.464, 209.057

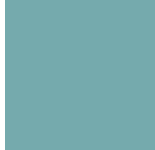
Monochromacy



Original Color
73, 37.273, 203.515



Achromatopsia
64, 0.008, 296.813



Achromatomaly
66, 18.079, 203.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 37.273, 203.515 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(51, 197, 205)` looks like.

```
.text, #text, p{  
    color:rgb(51, 197, 205)  
}
```

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(51, 197, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 197, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 37.273, 203.515 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(51, 197, 205) }
```

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

```
.border{ border-color:rgb(51, 197, 205) }
```

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

Here you see how a box with a 4 pixel rgb(51, 197, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 197, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 197, 205);  
box-shadow:4px 4px 4px 4px rgb(51, 197,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 37.273, 203.515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 197, 205) }
```

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

```
.background{ background-color: rgb(51, 197,  
205) }
```

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