

Converting Colors

CIELCh(73, 40.318, 204.887)

Have a look what the booklet for
CIELCh(73, 40.318, 204.887)
contains.

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Color

CIELCh(73, 40.213, 205.233)

Conversions

Conversions Part 1

Format	Color
Hex	02C6D1
RGB	2, 198, 209
RGB Percent	1%, 78%, 82%
CMY	0.9928, 0.2223, 0.1791
CMYK	0.99, 0.05, 0.00, 0.18
HSL	183°, 98%, 41%
HSV	183°, 99%, 82%
XYZ	31.8372, 45.1644, 67.5677
YIQ	140.6500, -120.3470, -38.1310

Conversions

Conversions Part 2

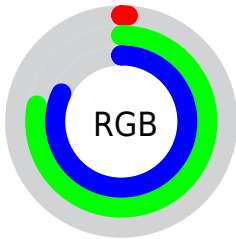
Format	Color
RYB	2, 103, 209
Decimal	181969
CIELab	73.00, -36.38, -17.14
CIELCh	73, 40.213, 205.233
Yxy	45.1644, 0.2202, 0.3124
Android (android.graphics.Color)	4278372049 (0xFF02C6D1)
YUV	140.6500, 33.6965, -121.5961
Hunter-Lab	67.2044, -33.0457, -12.5674

Details

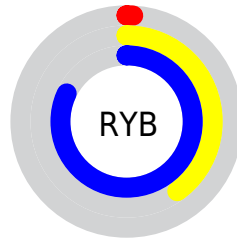
The CIELCh color **73, 40.213, 205.233** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **44, 88.912, 40.257**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **93, 40.894, 196.920**, and **54, 31.415, 209.560** is the 20% darker color. If you saturate the color by 10%, you get **73, 40.241, 205.302**, and if you desaturate by 10%, it is **73, 39.757, 204.461**.

Distribution



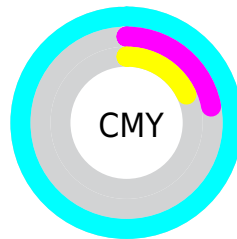
- Red (1%)
- Green (78%)
- Blue (82%)



- Red (1%)
- Yellow (40%)
- Blue (82%)



- Cyan (99%)
- Magenta (5%)
- Yellow (0%)
- Black (18%)





- Cyan (99%)
- Magenta (22%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 40.213, 205.233 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, 40.213, 205.233 by changing the saturation by 10% instead.


 73, 40.213,
205.233


 73, 40.213,
205.233


 100, 40.213,
205.233


 63, 40.213,
205.233


 93, 40.213,
205.233

 53, 40.213,
205.233

 43, 40.213,
205.233

 33, 40.213,
205.233

 23, 40.213,
205.233

 13, 40.213,
205.233

 3, 40.213, 205.233

0, 40.213, 205.233

73, 40.213,
205.233

73, 40.213,
205.233

73, 40.241,
205.302

73, 39.757,
204.461

74, 38.563,
203.860

75, 36.471,
203.439

76, 33.445,
203.183

77, 29.510,
203.077

78, 24.736,
203.102

■ 79, 19.219,
203.240

■ 81, 13.075,
203.479

■ 82, 6.420, 203.826

Harmonies

Complementary

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



73, 40.213, 205.233



44, 88.912, 40.257

Rectangle

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



73, 40.213, 205.233



73, 40.213, 255.233



73, 40.213, 25.233



73, 40.213, 75.233

Sweetspot

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



73, 40.212, 205.232



94, 23.127, 203.218



73, 102.146, 136.393



50, 15.501, 203.151



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, 40.212, 205.232



87, 46.668, 205.412



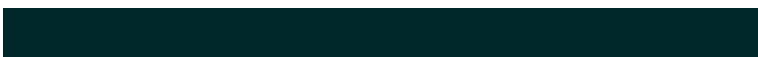
43, 68.594, 288.625



43, 3.987, 203.814



60, 34.243, 205.157



13, 13.256, 203.349

Inverse Universe

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



49, 95.365, 330.456



60, 110.771, 330.506



58, 71.870, 64.761



41, 7.421, 326.398



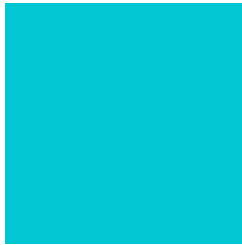
39, 81.236, 330.443



6, 29.884, 329.599

Previews

White Background



This preview shows how the CIELCh color 73, 40.213, 205.233 looks on a white background.

Color Contrast Check

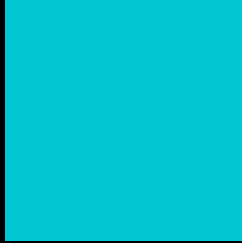
Large Text (above 18pt) WCAG AA × Fail

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, 40.213, 205.233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

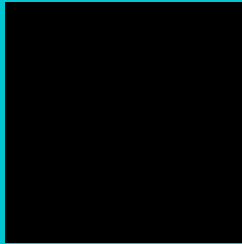
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 40.213, 205.233

Background



This preview shows how black text looks on a background with the CIELCh color 73, 40.213, 205.233.

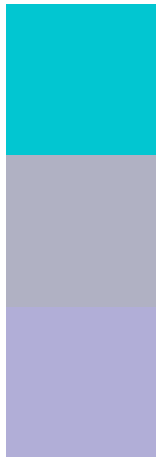


This preview shows how white text looks on a background with the CIELCh color 73, 40.213, 205.233.

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

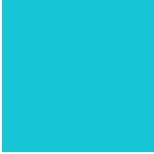
73, 40.158, 205.248

Protanopia

73, 9.792, 289.034

Deuteranopia

73, 22.373, 294.922

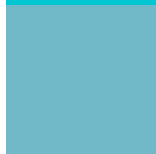


Tritanopia
73, 39.250, 209.666

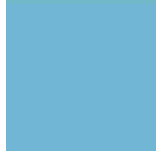
Trichromacy



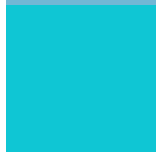
Original Color
73, 40.158, 205.248



Protanomaly
71, 23.682, 218.211

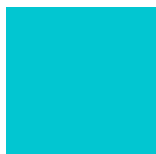


Deuteranomaly
71, 26.074, 237.405

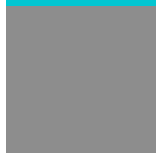


Tritanomaly
73, 39.609, 207.868

Monochromacy



Original Color
73, 40.158, 205.248



Achromatopsia
59, 0.008, 296.813



Achromatomaly
62, 23.287, 203.029

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 40.213, 205.233 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(2, 198, 209)` looks like.

```
.text, #text, p{  
    color:rgb(2, 198, 209)  
}
```

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(2, 198, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 198, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 40.213, 205.233 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(2, 198, 209) }
```

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

```
.border{ border-color:rgb(2, 198, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 198, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 198, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 198, 209);  
box-shadow:4px 4px 4px 4px rgb(2, 198,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 40.213, 205.233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 198, 209) }
```

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

```
.background{ background-color: rgb(2, 198,  
209) }
```

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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