

Converting Colors

CIELCh(71, 46.650, 201.636)

Have a look what the booklet for
CIELCh(71, 46.650, 201.636)
contains.

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Color

CIELCh(72, 40.145, 202.833)

Conversions

Conversions Part 1

Format	Color
Hex	00C4CC
RGB	0, 196, 204
RGB Percent	0%, 77%, 80%
CMY	1.0000, 0.2327, 0.2013
CMYK	1.00, 0.04, 0.00, 0.20
HSL	182°, 100%, 40%
HSV	182°, 100%, 80%
XYZ	30.4994, 43.6590, 63.7346
YIQ	138.3080, -119.3840, -39.0640

Conversions

Conversions Part 2

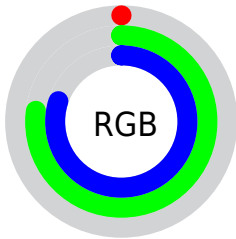
Format	Color
RYB	0, 100, 204
Decimal	50380
CIELab	72.00, -37.00, -15.58
CIELCh	72, 40.145, 202.833
Yxy	43.6590, 0.2212, 0.3166
Android (android.graphics.Color)	4278240460 (0xFF00C4CC)
YUV	138.3080, 32.3862, -121.2961
Hunter-Lab	66.0750, -33.2378, -10.9375

Details

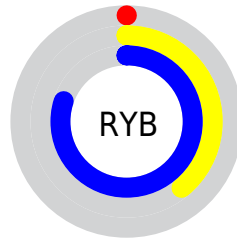
The CIELCh color **72, 40.145, 202.833** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **43, 87.757, 40.366**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **92, 40.628, 198.409**, and **54, 31.471, 205.127** is the 20% darker color. If you saturate the color by 10%, you get **72, 40.093, 202.844**, and if you desaturate by 10%, it is **72, 39.621, 202.304**.

Distribution



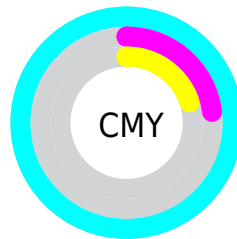
- Red (0%)
- Green (77%)
- Blue (80%)



- Red (0%)
- Yellow (39%)
- Blue (80%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (23%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 40.145, 202.833 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 72, 40.145, 202.833 by changing the saturation by 10% instead.


 72, 40.145,
202.833


 72, 40.145,
202.833


 100, 40.145,
202.833


 62, 40.145,
202.833


 92, 40.145,
202.833

 52, 40.145,
202.833

 42, 40.145,
202.833

 32, 40.145,
202.833

 22, 40.145,
202.833

 12, 40.145,
202.833

 2, 40.145, 202.833

0, 40.145, 202.833

72, 40.145,
202.833

72, 40.145,
202.833

72, 40.093,
202.844

72, 39.621,
202.304

73, 38.467,
201.890

73, 36.438,
201.620

74, 33.494,
201.489

75, 29.652,
201.483

76, 24.978,
201.590

■ 77, 19.563,
201.797

■ 79, 13.518,
202.093

■ 80, 6.960, 202.484

Harmonies

Complementary

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



72, 40.145, 202.833



43, 87.757, 40.366

Rectangle

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



72, 40.145, 202.833



72, 40.145, 252.833



72, 40.145, 22.833



72, 40.145, 72.833

Sweetspot

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



72, 40.093, 202.844



94, 23.441, 201.787



72, 100.527, 136.255



50, 15.713, 201.688



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 40.093, 202.844



88, 47.462, 202.934



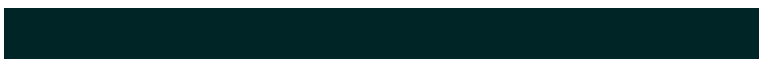
42, 65.566, 287.478



42, 3.960, 202.512



60, 34.427, 202.744



12, 12.949, 201.369

Inverse Universe

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



48, 94.584, 329.868



60, 111.996, 329.891



56, 71.142, 63.142



40, 7.340, 326.007



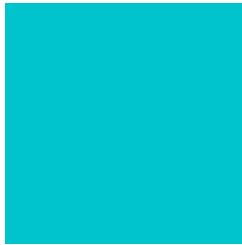
39, 81.194, 329.844



5, 28.143, 328.791

Previews

White Background



This preview shows how the CIELCh color 72, 40.145, 202.833 looks on a white background.

Color Contrast Check

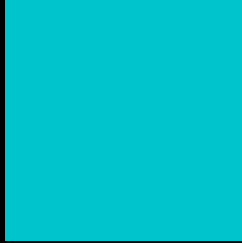
Large Text (above 18pt) WCAG AA × Fail

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 72, 40.145, 202.833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

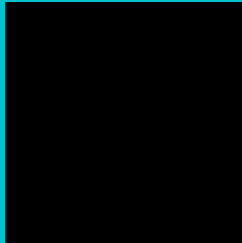
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

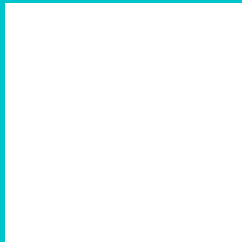
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 40.145, 202.833

Background



This preview shows how black text looks on a background with the CIELCh color 72, 40.145, 202.833.

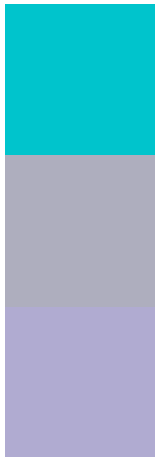


This preview shows how white text looks on a background with the CIELCh color 72, 40.145, 202.833.

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

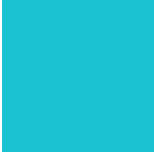
72, 40.145, 202.833

Protanopia

72, 8.731, 291.037

Deuteranopia

72, 20.865, 296.918

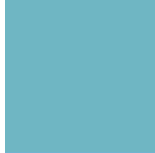


Tritanopia
72, 38.599, 209.089

Trichromacy



Original Color
72, 40.145, 202.833



Protanomaly
70, 23.256, 215.755



Deuteranomaly
70, 24.919, 234.829



Tritanomaly
72, 39.109, 207.215

Monochromacy



Original Color
72, 40.145, 202.833



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 23.074, 201.664

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 40.145, 202.833 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(0, 196, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 204)  
}
```

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(0, 196, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 40.145, 202.833 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(0, 196, 204) }
```

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

```
.border{ border-color:rgb(0, 196, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 196, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 40.145, 202.833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 204) }
```

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

```
.background{ background-color: rgb(0, 196,  
204) }
```

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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