

Converting Colors

CIELCh(75, 40.870, 209.022)

Have a look what the booklet for
CIELCh(75, 40.870, 209.022)
contains.

CIELCh(75, 40.870, 209.022)	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(75, 40.870, 209.022)

Conversions

Conversions Part 1

Format	Color
Hex	00CCDC
RGB	0, 204, 220
RGB Percent	0%, 80%, 86%
CMY	1.0000, 0.2005, 0.1378
CMYK	1.00, 0.07, 0.00, 0.14
HSL	184°, 100%, 43%
HSV	184°, 100%, 86%
XYZ	34.4524, 48.2781, 75.1208
YIQ	144.8280, -126.7200, -38.2720

Conversions

Conversions Part 2

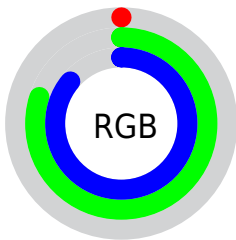
Format	Color
RYB	0, 106, 220
Decimal	52444
CIELab	75.00, -35.74, -19.83
CIELCh	75, 40.870, 209.022
Yxy	48.2781, 0.2183, 0.3058
Android (android.graphics.Color)	4278242524 (0xFF00CCDC)
YUV	144.8280, 37.0598, -127.0142
Hunter-Lab	69.4824, -33.0864, -15.4635

Details

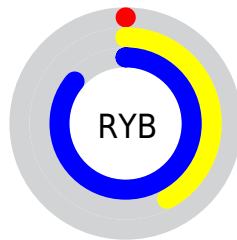
The CIELCh color **75, 40.870, 209.022** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **46, 92.512, 40.658**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.542, 196.941**, and **56, 32.319, 213.423** is the 20% darker color. If you saturate the color by 10%, you get **75, 40.851, 209.028**, and if you desaturate by 10%, it is **76, 40.489, 207.872**.

Distribution



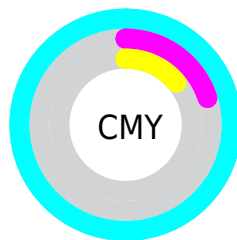
- Red (0%)
- Green (80%)
- Blue (86%)



- Red (0%)
- Yellow (42%)
- Blue (86%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (14%)





- Cyan (100%)
- Magenta (20%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 40.870, 209.022 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 75, 40.870, 209.022 by changing the saturation by 10% instead.


 75, 40.870,
209.022


 75, 40.870,
209.022


 100, 40.870,
209.022


 65, 40.870,
209.022


 95, 40.870,
209.022

 55, 40.870,
209.022

 45, 40.870,
209.022

 35, 40.870,
209.022

 25, 40.870,
209.022

 15, 40.870,
209.022

 5, 40.870, 209.022

0, 40.870, 209.022

75, 40.870,
209.022

75, 40.870,
209.022

75, 40.851,
209.028

76, 40.489,
207.872

76, 39.402,
206.937

77, 37.393,
206.240

78, 34.419,
205.758

79, 30.502,
205.466

81, 25.712,
205.338

■ 82, 20.148,
205.348

■ 84, 13.929,
205.479

■ 86, 7.175, 205.728

Harmonies

Complementary

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



75, 40.870, 209.022



46, 92.512, 40.658

Rectangle

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



75, 40.870, 209.022



75, 40.870, 259.022



75, 40.870, 29.022



75, 40.870, 79.022

Sweetspot

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



75, 40.851, 209.028



94, 22.700, 205.347



77, 105.921, 136.468



49, 15.215, 205.328



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 40.851, 209.028



86, 45.661, 209.144



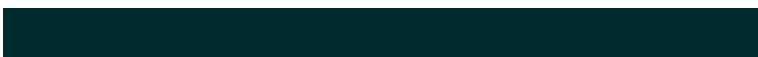
43, 74.397, 290.443



45, 4.071, 205.747



60, 34.258, 208.807



15, 13.943, 206.486

Inverse Universe

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



51, 97.531, 331.396



59, 109.032, 331.424



61, 74.631, 65.908



43, 7.613, 326.974



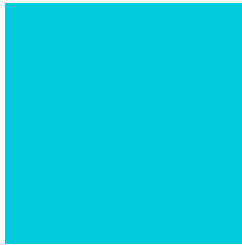
40, 81.769, 331.342



7, 32.847, 330.699

Previews

White Background



This preview shows how the CIE LCh color 75, 40.870, 209.022 looks on a white background.

Color Contrast Check

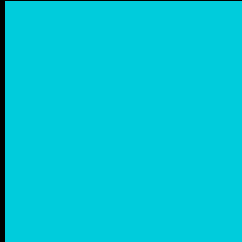
Large Text (above 18pt) WCAG AA × Fail

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 75, 40.870, 209.022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

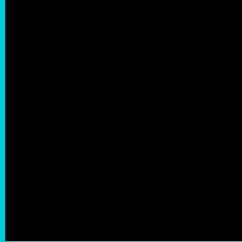
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 40.870, 209.022

Background



This preview shows how black text looks on a background with the CIELCh color 75, 40.870, 209.022.

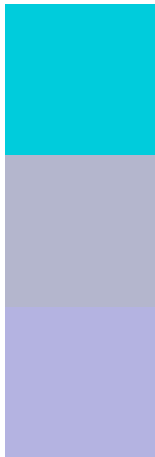


This preview shows how white text looks on a background with the CIELCh color 75, 40.870, 209.022.

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

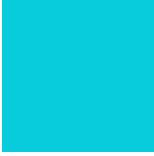
75, 40.870, 209.022

Protanopia

75, 12.451, 288.117

Deuteranopia

74, 24.928, 293.269

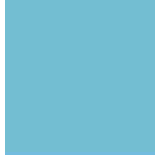


Tritanopia
75, 40.666, 209.098

Trichromacy



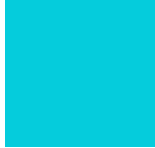
Original Color
75, 40.870, 209.022



Protanomaly
73, 25.012, 223.830



Deuteranomaly
73, 28.013, 241.332



Tritanomaly
75, 40.742, 209.069

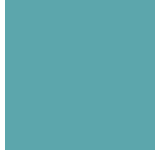
Monochromacy



Original Color
75, 40.870, 209.022



Achromatopsia
60, 0.008, 296.813



Achromatomaly
64, 23.736, 205.662

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 40.870, 209.022 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, 204, 220)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 220)  
}
```

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, 204, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 40.870, 209.022 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, 204, 220) }
```

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

```
.border{ border-color:rgb(0, 204, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 220);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 40.870, 209.022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 220) }
```

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

```
.background{ background-color: rgb(0, 204,  
220) }
```

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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