

Converting Colors

CIELCh(75, 40.698, 210.087)

Have a look what the booklet for
CIELCh(75, 40.698, 210.087)
contains.

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Color

CIELCh(75, 40.761, 209.865)

Conversions

Conversions Part 1

Format	Color
Hex	02CCDD
RGB	2, 204, 221
RGB Percent	1%, 80%, 87%
CMY	0.9941, 0.2010, 0.1344
CMYK	0.99, 0.08, 0.00, 0.13
HSL	185°, 99%, 44%
HSV	185°, 99%, 87%
XYZ	34.5656, 48.2781, 75.7209
YIQ	145.5400, -125.8490, -37.5370

Conversions

Conversions Part 2

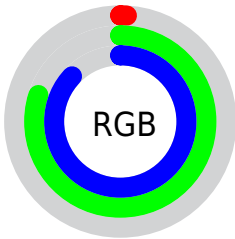
Format	Color
RYB	2, 107, 221
Decimal	183517
CIELab	75.00, -35.35, -20.30
CIELCh	75, 40.761, 209.865
Yxy	48.2781, 0.2180, 0.3045
Android (android.graphics.Color)	4278373597 (0xFF02CCDD)
YUV	145.5400, 37.2018, -125.8846
Hunter-Lab	69.4824, -32.7955, -15.9756

Details

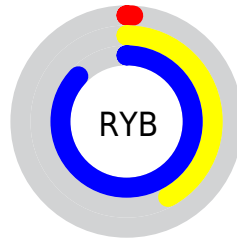
The CIELCh color **75, 40.761, 209.865** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **47, 92.305, 40.571**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.542, 196.941**, and **56, 32.328, 214.515** is the 20% darker color. If you saturate the color by 10%, you get **75, 40.777, 209.952**, and if you desaturate by 10%, it is **76, 40.378, 208.624**.

Distribution



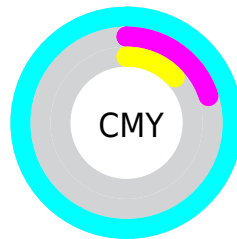
- Red (1%)
- Green (80%)
- Blue (87%)



- Red (1%)
- Yellow (42%)
- Blue (87%)



- Cyan (99%)
- Magenta (8%)
- Yellow (0%)
- Black (13%)





- Cyan (99%)
- Magenta (20%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 40.761, 209.865 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, 40.761, 209.865 by changing the saturation by 10% instead.


 75, 40.761,
209.865


 75, 40.761,
209.865


 100, 40.761,
209.865


 65, 40.761,
209.865


 95, 40.761,
209.865

 55, 40.761,
209.865

 45, 40.761,
209.865

 35, 40.761,
209.865

 25, 40.761,
209.865

 15, 40.761,
209.865

 5, 40.761, 209.865

■ 0, 40.761, 209.865

■ 75, 40.761,
209.865

■ 75, 40.761,
209.865

■ 75, 40.777,
209.952

■ 76, 40.378,
208.624

■ 76, 39.238,
207.628

■ 77, 37.171,
206.883

■ 78, 34.138,
206.363

■ 80, 30.165,
206.040

■ 81, 25.325,
205.887

■ 83, 19.720,
205.877

■ 84, 13.469,
205.990

■ 86, 6.690, 206.228

Harmonies

Complementary

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



75, 40.761, 209.865



47, 92.305, 40.571

Rectangle

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



75, 40.761, 209.865



75, 40.761, 259.865



75, 40.761, 29.865



75, 40.761, 79.865

Sweetspot

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



75, 40.760, 209.864



94, 22.601, 205.873



77, 106.068, 136.498



49, 15.148, 205.866



0, 0.000, 0.000



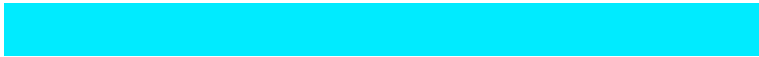
53, 0.007, 296.813

Same Dimension

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



75, 40.760, 209.864



85, 45.445, 210.074



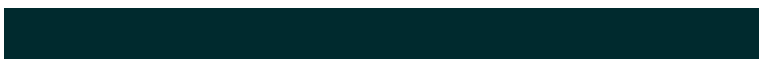
44, 74.089, 290.188



45, 4.053, 206.224



60, 34.096, 209.711



15, 13.883, 207.210

Inverse Universe

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



52, 97.366, 331.597



59, 108.616, 331.652



62, 74.583, 66.082



43, 7.588, 327.115



40, 81.465, 331.563



7, 32.737, 330.877

Previews

White Background



This preview shows how the CIE LCh color 75, 40.761, 209.865 looks on a white background.

Color Contrast Check

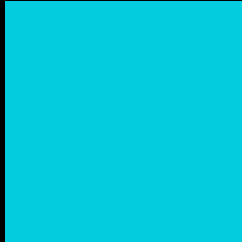
Large Text (above 18pt) WCAG AA × Fail

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, 40.761, 209.865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

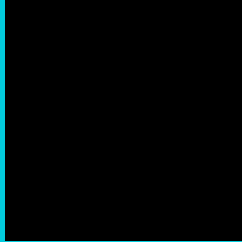
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 40.761, 209.865

Background



This preview shows how black text looks on a background with the CIELCh color 75, 40.761, 209.865.



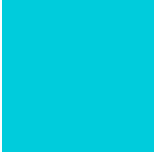
This preview shows how white text looks on a background with the CIELCh color 75, 40.761, 209.865.

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
75, 40.870, 209.022

Trichromacy



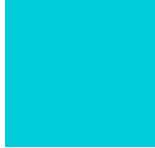
Original Color
75, 40.787, 209.855



Protanomaly
73, 25.167, 225.066



Deuteranomaly
73, 28.481, 241.965



Tritanomaly
75, 40.845, 209.031

Monochromacy



Original Color
75, 40.787, 209.855



Achromatopsia
60, 0.008, 296.813



Achromatomaly
64, 23.477, 207.180

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 40.761, 209.865 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, 204, 221)` looks like.

```
.text, #text, p{  
    color:rgb(2, 204, 221)  
}
```

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, 204, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 204, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 40.761, 209.865 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, 204, 221) }
```

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

```
.border{ border-color:rgb(2, 204, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 204, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 204, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 204, 221);  
box-shadow:4px 4px 4px 4px rgb(2, 204,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 40.761, 209.865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 204, 221) }
```

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

```
.background{ background-color: rgb(2, 204,  
221) }
```

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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