

Converting Colors

CIELCh(75, 40.722, 217.934)

Have a look what the booklet for
CIELCh(75, 40.722, 217.934)
contains.

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Color

CIELCh(75, 40.772, 218.089)

Conversions

Conversions Part 1

Format	Color
Hex	00CBE6
RGB	0, 203, 230
RGB Percent	0%, 80%, 90%
CMY	1.0000, 0.2049, 0.0991
CMYK	1.00, 0.12, 0.00, 0.10
HSL	187°, 100%, 45%
HSV	187°, 100%, 90%
XYZ	35.5210, 48.2781, 82.1162
YIQ	145.3810, -129.6550, -34.6390

Conversions

Conversions Part 2

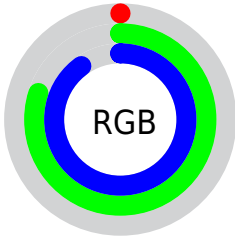
Format	Color
RYB	0, 108, 230
Decimal	52198
CIELab	75.00, -32.09, -25.15
CIELCh	75, 40.772, 218.089
Yxy	48.2781, 0.2141, 0.2910
Android (android.graphics.Color)	4278242278 (0xFF00CBE6)
YUV	145.3810, 41.7172, -127.4991
Hunter-Lab	69.4824, -30.3412, -21.4328

Details

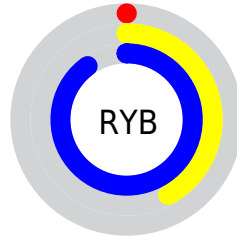
The CIELCh color **75, 40.772, 218.089** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **49, 94.724, 41.263**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.363, 196.951**, and **56, 32.733, 224.396** is the 20% darker color. If you saturate the color by 10%, you get **75, 40.734, 218.111**, and if you desaturate by 10%, it is **76, 40.368, 216.019**.

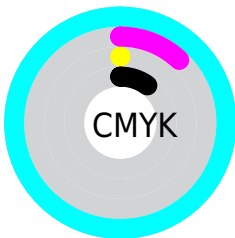
Distribution



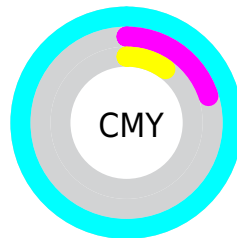
- Red (0%)
- Green (80%)
- Blue (90%)



- Red (0%)
- Yellow (42%)
- Blue (90%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (10%)





- Cyan (100%)
- Magenta (20%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 40.772, 218.089 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, 40.772, 218.089 by changing the saturation by 10% instead.


 75, 40.772,
218.089


 75, 40.772,
218.089


 100, 40.772,
218.089


 65, 40.772,
218.089


 95, 40.772,
218.089

 55, 40.772,
218.089

 45, 40.772,
218.089

 35, 40.772,
218.089

 25, 40.772,
218.089

 15, 40.772,
218.089

 5, 40.772, 218.089

0, 40.772, 218.089

75, 40.772,
218.089

75, 40.772,
218.089

75, 40.734,
218.111

76, 40.368,
216.019

77, 39.288,
214.295

78, 37.290,
212.952

80, 34.326,
211.946

81, 30.419,
211.227

83, 25.639,
210.747

■ 85, 20.089,
210.465

■ 87, 13.888,
210.348

■ 89, 7.154, 210.384

Harmonies

Complementary

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



75, 40.772, 218.089



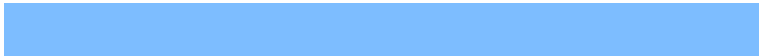
49, 94.724, 41.263

Rectangle

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



75, 40.772, 218.089



75, 40.772, 268.089



75, 40.772, 38.089



75, 40.772, 88.089

Sweetspot

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



75, 40.734, 218.111



93, 21.848, 210.468



80, 108.182, 136.961



49, 14.645, 210.567



0, 0.000, 0.000



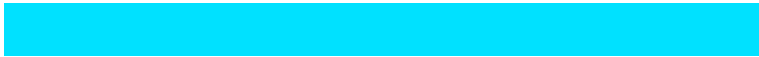
53, 0.007, 296.813

Same Dimension

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



75, 40.734, 218.111



82, 44.061, 218.253



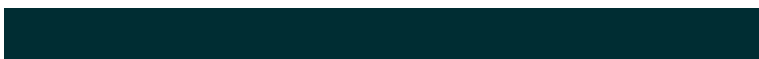
42, 84.424, 294.118



47, 4.066, 210.392



59, 33.763, 217.709



16, 14.341, 214.022

Inverse Universe

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



53, 97.279, 333.625



59, 105.207, 333.660



67, 76.408, 70.441



45, 7.662, 328.338



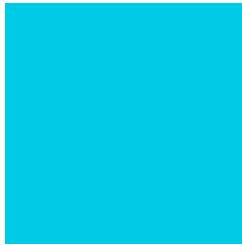
41, 80.666, 333.525



8, 34.331, 332.619

Previews

White Background



This preview shows how the CIE LCh color 75, 40.772, 218.089 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, 40.772, 218.089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

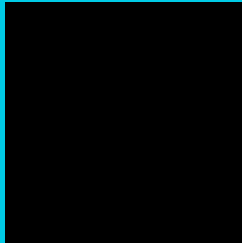
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 40.772, 218.089

Background



This preview shows how black text looks on a background with the CIELCh color 75, 40.772, 218.089.



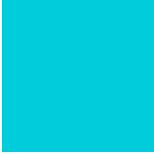
This preview shows how white text looks on a background with the CIELCh color 75, 40.772, 218.089.

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



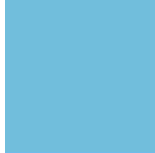


Tritanopia
75, 40.870, 209.022

Trichromacy



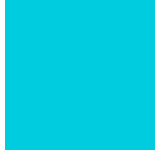
Original Color
75, 40.772, 218.089



Protanomaly
73, 27.393, 234.820



Deuteranomaly
73, 31.866, 248.891



Tritanomaly
75, 40.783, 212.281

Monochromacy



Original Color
75, 40.772, 218.089



Achromatopsia
60, 0.008, 296.813



Achromatomaly
64, 23.756, 211.258

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 40.772, 218.089 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, 203, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 230)  
}
```

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, 203, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 40.772, 218.089 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, 203, 230) }
```

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

```
.border{ border-color:rgb(0, 203, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 203, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 203,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 40.772, 218.089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 230) }
```

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

```
.background{ background-color: rgb(0, 203,  
230) }
```

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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