

Converting Colors

CIELCh(75, 42.705, 196.509)

Have a look what the booklet for
CIELCh(75, 42.705, 196.509)
contains.

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Color

CIELCh(75, 42.370, 197.142)

Conversions

Conversions Part 1

Format	Color
Hex	02CDCE
RGB	2, 205, 206
RGB Percent	1%, 80%, 81%
CMY	0.9935, 0.1950, 0.1911
CMYK	0.99, 0.00, 0.00, 0.19
HSL	180°, 98%, 41%
HSV	180°, 99%, 81%
XYZ	33.0936, 48.2781, 66.1444
YIQ	144.4170, -121.3090, -42.7250

Conversions

Conversions Part 2

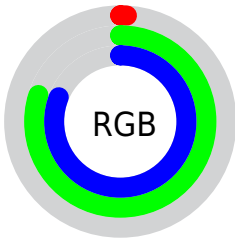
Format	Color
R_{YB}	2, 104, 206
Decimal	183758
CIE Lab	75.00, -40.49, -12.49
CIE LCh	75, 42.370, 197.142
Yxy	48.2781, 0.2243, 0.3273
Android (android.graphics.Color)	4278373838 (0xFF02CDCE)
YUV	144.4170, 30.3604, -124.8997
Hunter-Lab	69.4824, -36.5770, -7.8039

Details

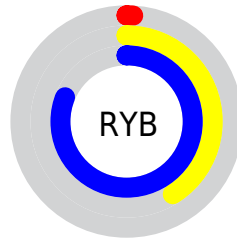
The CIELCh color **75, 42.370, 197.142** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **43, 88.599, 39.828**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.894, 196.920**, and **56, 33.440, 198.416** is the 20% darker color. If you saturate the color by 10%, you get **75, 42.413, 197.143**, and if you desaturate by 10%, it is **75, 41.705, 197.122**.

Distribution



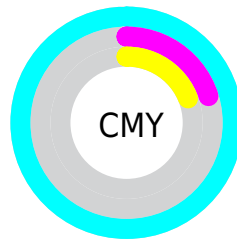
- Red (1%)
- Green (80%)
- Blue (81%)



- Red (1%)
- Yellow (41%)
- Blue (81%)



- Cyan (99%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)





- Cyan (99%)
- Magenta (20%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 42.370, 197.142 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, 42.370, 197.142 by changing the saturation by 10% instead.


 75, 42.370,
197.142


 75, 42.370,
197.142


 100, 42.370,
197.142


 65, 42.370,
197.142


 95, 42.370,
197.142

 55, 42.370,
197.142

 45, 42.370,
197.142

 35, 42.370,
197.142

 25, 42.370,
197.142

 15, 42.370,
197.142

 5, 42.370, 197.142

0, 42.370, 197.142

75, 42.370,
197.142

75, 42.370,
197.142

75, 42.413,
197.143

75, 41.705,
197.122

75, 40.316,
197.161

76, 38.036,
197.270

76, 34.826,
197.452

77, 30.701,
197.707

78, 25.723,
198.032

■ 79, 19.988,
198.423

■ 80, 13.610,
198.878

■ 81, 6.707, 199.411

Harmonies

Complementary

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



75, 42.370, 197.142



43, 88.599, 39.828

Rectangle

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



75, 42.370, 197.142



75, 42.370, 247.142



75, 42.370, 17.142



75, 42.370, 67.142

Sweetspot

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



75, 42.369, 197.141



95, 24.285, 198.374



72, 101.902, 136.044



50, 16.281, 198.202



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, 42.369, 197.141



91, 49.759, 197.153



45, 61.499, 284.090



42, 4.098, 199.399



61, 36.050, 197.132



13, 13.439, 196.977

Inverse Universe

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



49, 97.974, 328.421



60, 115.120, 328.430



55, 72.366, 60.482



40, 7.513, 325.063



39, 83.396, 328.424



5, 28.930, 327.651

Previews

White Background



This preview shows how the CIELCh color 75, 42.370, 197.142 looks on a white background.

Color Contrast Check

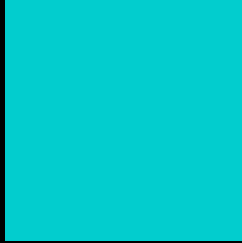
Large Text (above 18pt) WCAG AA × Fail

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, 42.370, 197.142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

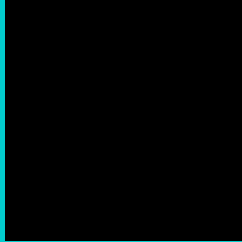
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

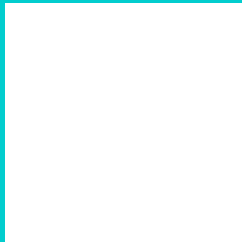
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 42.370, 197.142

Background



This preview shows how black text looks on a background with the CIELCh color 75, 42.370, 197.142.

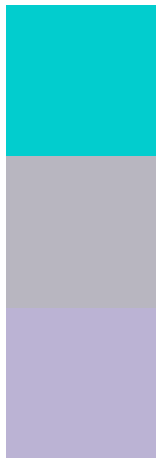


This preview shows how white text looks on a background with the CIELCh color 75, 42.370, 197.142.

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

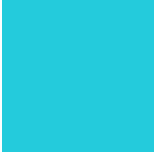
75, 42.315, 197.147

Protanopia

74, 5.474, 298.349

Deuteranopia

75, 18.142, 300.691



Tritanopia
75, 39.213, 210.496

Trichromacy



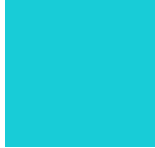
Original Color
75, 42.315, 197.147



Protanomaly
73, 23.263, 207.199



Deuteranomaly
73, 23.832, 226.832



Tritanomaly
75, 40.351, 205.200

Monochromacy



Original Color
75, 42.315, 197.147



Achromatopsia
60, 0.008, 296.813



Achromatomaly
64, 24.094, 197.384

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 42.370, 197.142 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, 205, 206)` looks like.

```
.text, #text, p{  
    color:rgb(2, 205, 206)  
}
```

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, 205, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 205, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 42.370, 197.142 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, 205, 206) }
```

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

```
.border{ border-color:rgb(2, 205, 206) }
```

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

Here you see how a box with a 4 pixel rgb(2, 205, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 205, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 205, 206);  
box-shadow:4px 4px 4px 4px rgb(2, 205,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 42.370, 197.142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 205, 206) }
```

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

```
.background{ background-color: rgb(2, 205,  
206) }
```

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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