

Converting Colors

CIELCh(75, 41.505, 202.745)

Have a look what the booklet for
CIELCh(75, 41.505, 202.745)
contains.

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Color

CIELCh(75, 41.548, 202.563)

Conversions

Conversions Part 1

Format	Color
Hex	00CDD5
RGB	0, 205, 213
RGB Percent	0%, 80%, 84%
CMY	1.0000, 0.1974, 0.1660
CMYK	1.00, 0.04, 0.00, 0.17
HSL	182°, 100%, 42%
HSV	182°, 100%, 83%
XYZ	33.6956, 48.2781, 70.2735
YIQ	144.6170, -124.7480, -40.9720

Conversions

Conversions Part 2

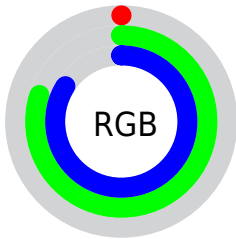
Format	Color
RYB	0, 104, 213
Decimal	52693
CIELab	75.00, -38.37, -15.94
CIELCh	75, 41.548, 202.563
Yxy	48.2781, 0.2213, 0.3171
Android (android.graphics.Color)	4278242773 (0xFF00CDD5)
YUV	144.6170, 33.7128, -126.8291
Hunter-Lab	69.4824, -35.0306, -11.3273

Details

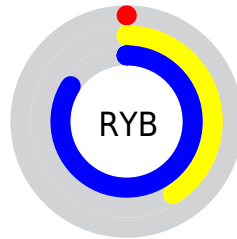
The CIELCh color **75, 41.548, 202.563** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **45, 90.699, 40.332**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.719, 196.930**, and **56, 32.787, 204.690** is the 20% darker color. If you saturate the color by 10%, you get **75, 41.496, 202.573**, and if you desaturate by 10%, it is **75, 41.027, 202.054**.

Distribution



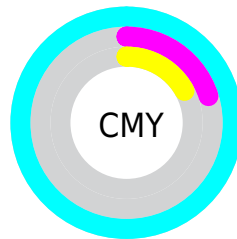
- Red (0%)
- Green (80%)
- Blue (84%)



- Red (0%)
- Yellow (41%)
- Blue (84%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (17%)





- Cyan (100%)
- Magenta (20%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 41.548, 202.563 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, 41.548, 202.563 by changing the saturation by 10% instead.


 75, 41.548,
202.563


 75, 41.548,
202.563


 100, 41.548,
202.563


 65, 41.548,
202.563


 95, 41.548,
202.563

 55, 41.548,
202.563

 45, 41.548,
202.563

 35, 41.548,
202.563

 25, 41.548,
202.563

 15, 41.548,
202.563

 5, 41.548, 202.563

■ 0, 41.548, 202.563

■ 75, 41.548,
202.563

■ 75, 41.548,
202.563

■ 75, 41.496,
202.573

■ 75, 41.027,
202.054

■ 76, 39.845,
201.659

■ 76, 37.755,
201.405

■ 77, 34.715,
201.287

■ 78, 30.742,
201.292

■ 79, 25.901,
201.409

■ 80, 20.290,
201.625

■ 82, 14.023,
201.929

■ 83, 7.220, 202.328

Harmonies

Complementary

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



75, 41.548, 202.563



45, 90.699, 40.332

Rectangle

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



75, 41.548, 202.563



75, 41.548, 252.563



75, 41.548, 22.563



75, 41.548, 72.563

Sweetspot

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



75, 41.496, 202.573



95, 23.480, 201.616



74, 103.872, 136.243



50, 15.739, 201.514



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, 41.496, 202.573



88, 47.563, 202.641



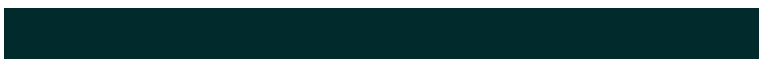
44, 67.920, 287.606



44, 4.128, 202.355



61, 35.275, 202.475



14, 13.956, 201.312

Inverse Universe

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



50, 97.821, 329.801



60, 112.145, 329.818



58, 73.520, 63.031



42, 7.650, 325.963



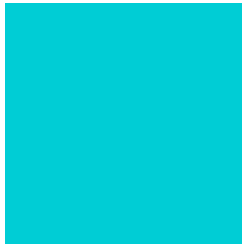
40, 83.133, 329.776



6, 32.067, 329.291

Previews

White Background



This preview shows how the CIELCh color 75, 41.548, 202.563 looks on a white background.

Color Contrast Check

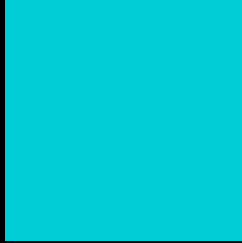
Large Text (above 18pt) WCAG AA × Fail

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, 41.548, 202.563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

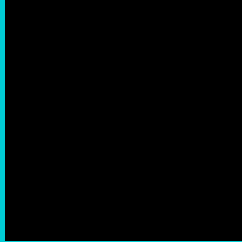
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 41.548, 202.563

Background



This preview shows how black text looks on a background with the CIELCh color 75, 41.548, 202.563.

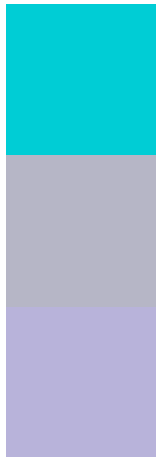


This preview shows how white text looks on a background with the CIELCh color 75, 41.548, 202.563.

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

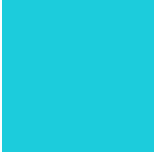
75, 41.548, 202.563

Protanopia

74, 8.659, 291.003

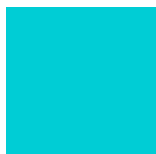
Deuteranopia

75, 21.231, 296.772

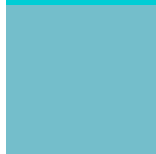


Tritanopia
75, 39.897, 209.389

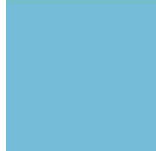
Trichromacy



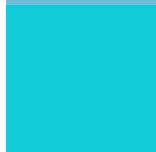
Original Color
75, 41.548, 202.563



Protanomaly
73, 23.997, 215.029

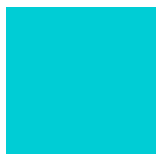


Deuteranomaly
73, 25.749, 234.635

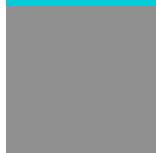


Tritanomaly
75, 40.493, 206.754

Monochromacy



Original Color
75, 41.548, 202.563



Achromatopsia
60, 0.008, 296.813



Achromatomaly
64, 23.857, 201.488

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 41.548, 202.563 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, 205, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 205, 213)  
}
```

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, 205, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 205, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 41.548, 202.563 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, 205, 213) }
```

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

```
.border{ border-color:rgb(0, 205, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 205, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 205, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 205, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 205,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 41.548, 202.563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 205, 213) }
```

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

```
.background{ background-color: rgb(0, 205,  
213) }
```

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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