

Converting Colors

CIELCh(75, 55.520, 198.377)

Have a look what the booklet for
CIELCh(75, 55.520, 198.377)
contains.

CIELCh(77, 42.636, 200.127)	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(77, 42.636, 200.127)

Conversions

Conversions Part 1

Format	Color
Hex	05D3D8
RGB	5, 211, 216
RGB Percent	2%, 83%, 85%
CMY	0.9785, 0.1729, 0.1533
CMYK	0.97, 0.02, 0.00, 0.15
HSL	181°, 95%, 43%
HSV	181°, 97%, 85%
XYZ	35.7220, 51.5317, 72.9631
YIQ	149.9760, -124.3810, -42.1170

Conversions

Conversions Part 2

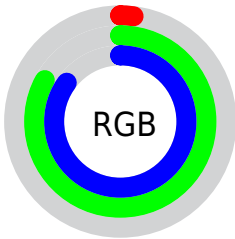
Format	Color
RYB	5, 109, 216
Decimal	381912
CIELab	77.00, -40.03, -14.67
CIELCh	77, 42.636, 200.127
Yxy	51.5317, 0.2230, 0.3216
Android (android.graphics.Color)	4278571992 (0xFF05D3D8)
YUV	149.9760, 32.5498, -127.1440
Hunter-Lab	71.7856, -36.7996, -10.0126

Details

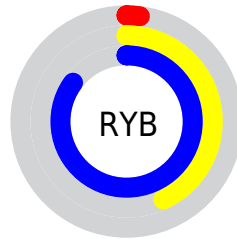
The CIELCh color **77, 42.636, 200.127** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **45, 90.541, 39.580**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.363, 196.951**, and **58, 34.055, 201.338** is the 20% darker color. If you saturate the color by 10%, you get **77, 42.743, 200.205**, and if you desaturate by 10%, it is **77, 41.978, 199.844**.

Distribution



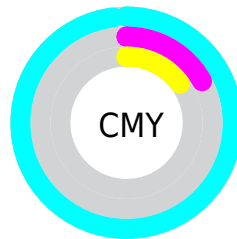
- Red (2%)
- Green (83%)
- Blue (85%)



- Red (2%)
- Yellow (43%)
- Blue (85%)



- Cyan (97%)
- Magenta (2%)
- Yellow (0%)
- Black (15%)





- Cyan (98%)
- Magenta (17%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 42.636, 200.127 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 77, 42.636, 200.127 by changing the saturation by 10% instead.


 77, 42.636,
200.127


 77, 42.636,
200.127


 100, 42.636,
200.127


 67, 42.636,
200.127


 97, 42.636,
200.127

 57, 42.636,
200.127

 47, 42.636,
200.127

 37, 42.636,
200.127

 27, 42.636,
200.127

 17, 42.636,
200.127

 7, 42.636, 200.127

■ 0, 42.636, 200.127

■ 77, 42.636,
200.127

■ 77, 42.636,
200.127

■ 77, 42.743,
200.205

■ 77, 41.978,
199.844

■ 78, 40.501,
199.665

■ 78, 38.086,
199.596

■ 79, 34.703,
199.633

■ 80, 30.382,
199.770

■ 81, 25.197,
199.998

■ 82, 19.251,
200.308

■ 83, 12.665,
200.696

■ 85, 5.562, 201.185

Harmonies

Complementary

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



77, 42.636, 200.127



45, 90.541, 39.580

Rectangle

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



77, 42.636, 200.127



77, 42.636, 250.127



77, 42.636, 20.127



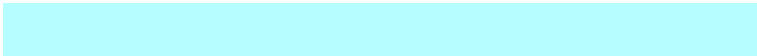
77, 42.636, 70.127

Sweetspot

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



77, 42.635, 200.126



95, 23.111, 200.246



76, 104.798, 136.207



50, 15.583, 200.109



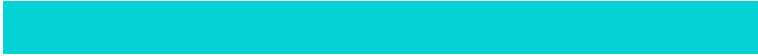
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 42.635, 200.126



89, 48.450, 200.243



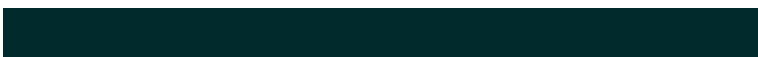
46, 64.778, 285.074



44, 4.185, 201.075



62, 35.918, 200.143



15, 14.168, 199.436

Inverse Universe

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



51, 99.614, 329.170



60, 113.400, 329.216



59, 73.664, 62.235



42, 7.722, 325.578



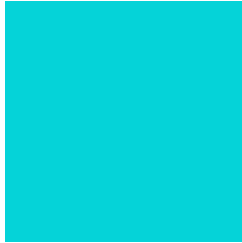
40, 84.040, 329.191



6, 32.392, 328.819

Previews

White Background



This preview shows how the CIE LCh color 77, 42.636, 200.127 looks on a white background.

Color Contrast Check

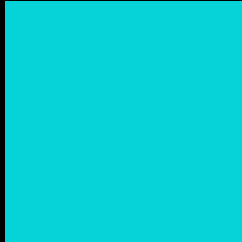
Large Text (above 18pt) WCAG AA × Fail

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 77, 42.636, 200.127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

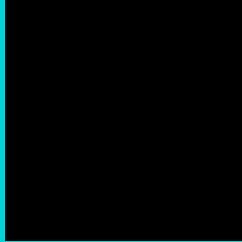
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 42.636, 200.127

Background



This preview shows how black text looks on a background with the CIELCh color 77, 42.636, 200.127.

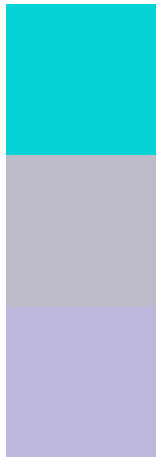


This preview shows how white text looks on a background with the CIELCh color 77, 42.636, 200.127.

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

77, 42.660, 200.130

Protanopia

76, 7.554, 293.608

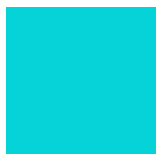
Deuteranopia

76, 20.664, 298.720

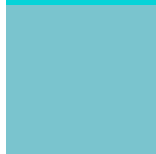


Tritanopia
77, 40.375, 209.995

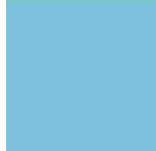
Trichromacy



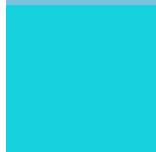
Original Color
77, 42.660, 200.130



Protanomaly
75, 23.835, 210.962

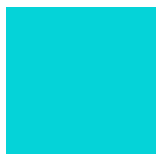


Deuteranomaly
75, 25.062, 232.471

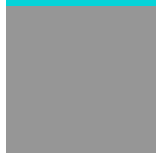


Tritanomaly
77, 41.289, 205.727

Monochromacy



Original Color
77, 42.660, 200.130



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 24.194, 200.089

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 42.636, 200.127 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(5, 211, 216)` looks like.

```
.text, #text, p{  
    color:rgb(5, 211, 216)  
}
```

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(5, 211, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 211, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 42.636, 200.127 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(5, 211, 216) }
```

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

```
.border{ border-color:rgb(5, 211, 216) }
```

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

Here you see how a box with a 4 pixel rgb(5, 211, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 211, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 211, 216);  
box-shadow:4px 4px 4px 4px rgb(5, 211,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 42.636, 200.127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 211, 216) }
```

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

```
.background{ background-color: rgb(5, 211,  
216) }
```

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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