

Converting Colors

CIELCh(77, 50.716, 177.108)

Have a look what the booklet for
CIELCh(77, 50.716, 177.108)
contains.

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Color

CIELCh(77, 50.632, 177.199)

Conversions

Conversions Part 1

Format	Color
Hex	00D6B8
RGB	0, 214, 184
RGB Percent	0%, 84%, 72%
CMY	1.0000, 0.1609, 0.2786
CMYK	1.00, 0.00, 0.14, 0.16
HSL	172°, 100%, 42%
HSV	172°, 100%, 84%
XYZ	32.6824, 51.5317, 53.5518
YIQ	146.5940, -117.9140, -54.6980

Conversions

Conversions Part 2

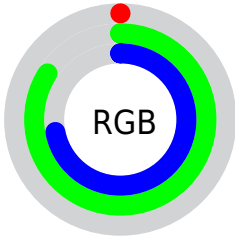
Format	Color
RYB	0, 115, 214
Decimal	54968
CIELab	77.00, -50.57, 2.47
CIELCh	77, 50.632, 177.199
Yxy	51.5317, 0.2372, 0.3741
Android (android.graphics.Color)	4278245048 (0xFF00D6B8)
YUV	146.5940, 18.4412, -128.5629
Hunter-Lab	71.7856, -44.3578, 6.0199

Details

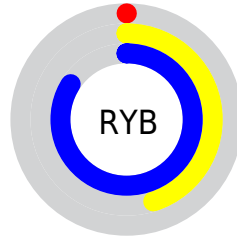
The CIELCh color **77, 50.632, 177.199** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **45, 85.157, 34.075**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 43.401, 186.332**, and **58, 41.797, 174.119** is the 20% darker color. If you saturate the color by 10%, you get **77, 50.627, 177.197**, and if you desaturate by 10%, it is **77, 49.077, 178.675**.

Distribution



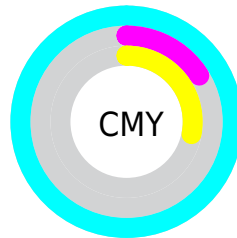
- Red (0%)
- Green (84%)
- Blue (72%)



- Red (0%)
- Yellow (45%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (16%)



- Cyan (100%)
- Magenta (16%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 50.632, 177.199 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, 50.632, 177.199 by changing the saturation by 10% instead.


 77, 50.632,
177.199

 77, 50.632,
177.199


 100, 50.632,
177.199


 67, 50.632,
177.199


 97, 50.632,
177.199

 57, 50.632,
177.199

 47, 50.632,
177.199

 37, 50.632,
177.199

 27, 50.632,
177.199

 17, 50.632,
177.199

 7, 50.632, 177.199

■ 0, 50.632, 177.199

■ 77, 50.632,
177.199

■ 77, 50.632,
177.199

■ 77, 50.627,
177.197

■ 77, 49.077,
178.675

■ 77, 46.815,
180.041

■ 78, 43.651,
181.280

■ 78, 39.557,
182.412

■ 79, 34.571,
183.458

■ 80, 28.777,
184.437

■ 81, 22.293,
185.368

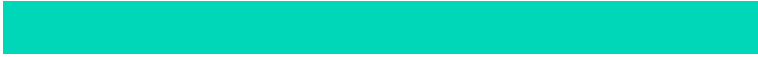
■ 83, 15.248,
186.265

■ 84, 7.775, 187.154

Harmonies

Complementary

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



77, 50.632, 177.199



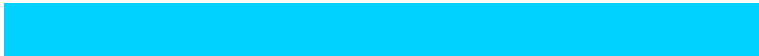
45, 85.157, 34.075

Rectangle

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



77, 50.632, 177.199



77, 50.632, 227.199



77, 50.632, 357.199



77, 50.632, 47.199

Sweetspot

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



77, 50.627, 177.197



95, 25.681, 185.341



75, 103.827, 135.245



50, 17.294, 184.949



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, 50.627, 177.197



90, 57.894, 177.032



55, 47.101, 265.393



44, 4.421, 187.207



63, 42.699, 177.449



15, 16.248, 180.513

Inverse Universe

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



45, 85.157, 34.075



53, 97.756, 34.584



51, 80.873, 49.697



42, 4.619, 8.679



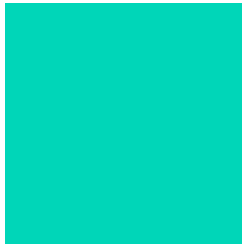
35, 71.388, 33.259



5, 21.988, 13.517

Previews

White Background



This preview shows how the CIELCh color 77, 50.632, 177.199 looks on a white background.

Color Contrast Check

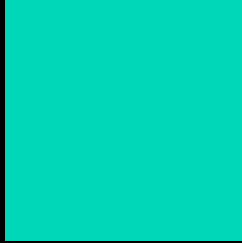
Large Text (above 18pt) WCAG AA × Fail

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, 50.632, 177.199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

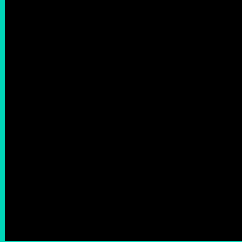
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

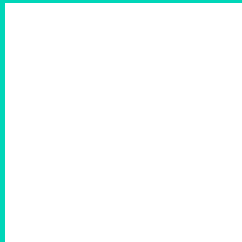
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 50.632, 177.199

Background



This preview shows how black text looks on a background with the CIELCh color 77, 50.632, 177.199.

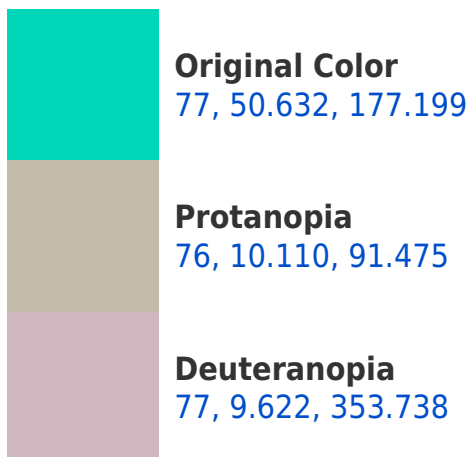


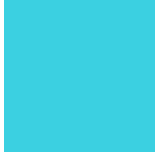
This preview shows how white text looks on a background with the CIELCh color 77, 50.632, 177.199.

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](#).

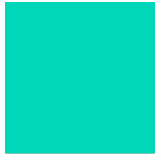
Dichromacy





Tritanopia
77, 37.965, 211.004

Trichromacy



Original Color
77, 50.632, 177.199



Protanomaly
74, 27.789, 171.881



Deuteranomaly
74, 21.665, 189.073



Tritanomaly
77, 41.595, 196.499

Monochromacy



Original Color
77, 50.632, 177.199



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 26.601, 183.785

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 50.632, 177.199 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, 214, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 184)  
}
```

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, 214, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 50.632, 177.199 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, 214, 184) }
```

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

```
.border{ border-color:rgb(0, 214, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 214, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 50.632, 177.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 184) }
```

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

```
.background{ background-color: rgb(0, 214,  
184) }
```

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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