

Converting Colors

CIELCh(77, 44.609, 184.783)

Have a look what the booklet for
CIELCh(77, 44.609, 184.783)
contains.

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Color

CIELCh(77, 44.494, 185.025)

Conversions

Conversions Part 1

Format	Color
Hex	2BD4C4
RGB	43, 212, 196
RGB Percent	17%, 83%, 77%
CMY	0.8320, 0.1690, 0.2317
CMYK	0.80, 0.00, 0.08, 0.17
HSL	174°, 66%, 50%
HSV	174°, 80%, 83%
XYZ	34.4627, 51.5317, 60.3008
YIQ	159.6450, -95.5880, -40.8040

Conversions

Conversions Part 2

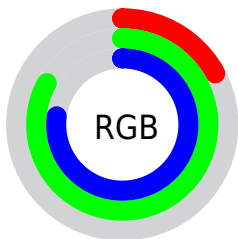
Format	Color
RYB	43, 132, 212
Decimal	2872516
CIELab	77.00, -44.32, -3.90
CIELCh	77, 44.494, 185.025
Yxy	51.5317, 0.2356, 0.3522
Android (android.graphics.Color)	4281062596 (0xFF2BD4C4)
YUV	159.6450, 17.9230, -102.2977
Hunter-Lab	71.7856, -39.9308, 0.4456

Details

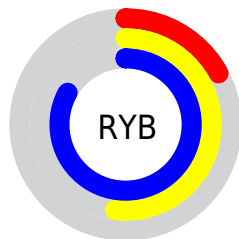
The CIELCh color **77, 44.494, 185.025** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **47, 72.561, 27.793**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.904, 195.490**, and **58, 37.655, 183.748** is the 20% darker color. If you saturate the color by 10%, you get **77, 46.413, 183.989**, and if you desaturate by 10%, it is **77, 41.669, 185.978**.

Distribution



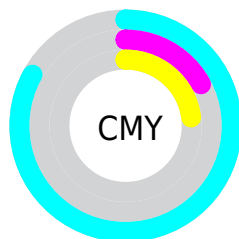
- Red (17%)
- Green (83%)
- Blue (77%)



- Red (17%)
- Yellow (52%)
- Blue (83%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (17%)



- Cyan (83%)
- Magenta (17%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 44.494, 185.025 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, 44.494, 185.025 by changing the saturation by 10% instead.

 77, 44.494,
185.025

 77, 44.494,
185.025

 100, 44.494,
185.025

 67, 44.494,
185.025

 97, 44.494,
185.025

 57, 44.494,
185.025

 47, 44.494,
185.025

 37, 44.494,
185.025

 27, 44.494,
185.025

 17, 44.494,
185.025

 7, 44.494, 185.025

■ 0, 44.494, 185.025

■ 77, 44.494,
185.025

■ 77, 44.494,
185.025

■ 77, 46.413,
183.989

■ 77, 41.669,
185.978

■ 77, 47.608,
182.875

■ 78, 37.905,
186.869

■ 77, 47.632,
182.851

■ 79, 33.235,
187.715

■ 80, 27.737,
188.530

■ 81, 21.521,
189.326

■ 82, 14.714,
190.114

■ 83, 7.443, 190.917

■ 85, 0.170, 8.294

■ 87, 8.015, 12.283

Harmonies

Complementary

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



77, 44.494, 185.025



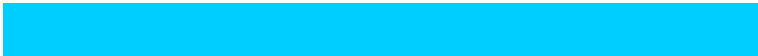
47, 72.561, 27.793

Rectangle

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



77, 44.494, 185.025



77, 44.494, 235.025



77, 44.494, 5.025



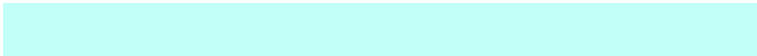
77, 44.494, 55.025

Sweetspot

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



77, 44.494, 185.024



96, 20.492, 189.761



75, 94.848, 135.970



51, 13.928, 189.478



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, 44.494, 185.024



91, 54.384, 183.182



57, 43.012, 263.093



44, 4.358, 190.947



63, 40.508, 183.032



15, 15.594, 185.295

Inverse Universe

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



47, 72.561, 27.793



54, 97.888, 35.443



57, 63.794, 56.311



42, 4.577, 12.293



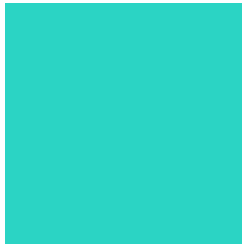
35, 73.467, 35.855



5, 21.966, 15.547

Previews

White Background



This preview shows how the CIELCh color 77, 44.494, 185.025 looks on a white background.

Color Contrast Check

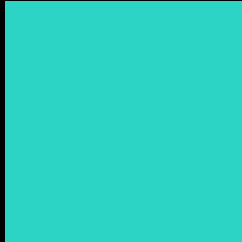
Large Text (above 18pt) WCAG AA × Fail

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, 44.494, 185.025 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

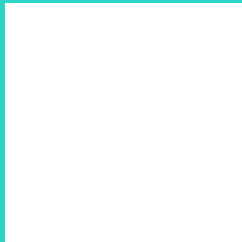
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 44.494, 185.025

Background



This preview shows how black text looks on a background with the CIELCh color 77, 44.494, 185.025.

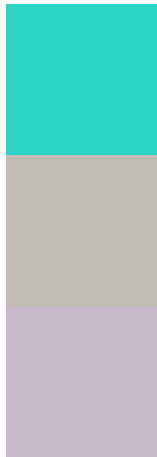


This preview shows how white text looks on a background with the CIELCh color 77, 44.494, 185.025.

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](#).

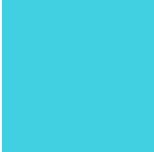
Dichromacy



Original Color
77, 44.494, 185.025

Protanopia
76, 3.707, 79.384

Deuteranopia
76, 12.200, 323.488



Tritanopia
77, 37.382, 211.264

Trichromacy



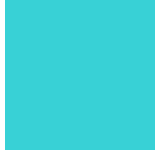
Original Color
77, 44.494, 185.025



Protanomaly
75, 21.144, 182.947



Deuteranomaly
75, 17.339, 209.007

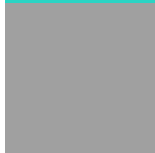


Tritanomaly
77, 39.112, 200.680

Monochromacy



Original Color
77, 44.494, 185.025



Achromatopsia
66, 0.008, 296.813



Achromatomaly
69, 21.512, 188.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 44.494, 185.025 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(43, 212, 196)` looks like.

```
.text, #text, p{  
    color:rgb(43, 212, 196)  
}
```

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(43, 212, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 212, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 44.494, 185.025 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(43, 212, 196) }
```

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

```
.border{ border-color:rgb(43, 212, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 212, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 212, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 212, 196);  
box-shadow:4px 4px 4px 4px rgb(43, 212,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 44.494, 185.025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 212, 196) }
```

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

```
.background{ background-color: rgb(43, 212,  
196) }
```

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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