

Converting Colors

CIELCh(77, 43.866, 188.876)

Have a look what the booklet for
CIELCh(77, 43.866, 188.876)
contains.

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Color

CIELCh(77, 44.057, 188.520)

Conversions

Conversions Part 1

Format	Color
Hex	23D4C9
RGB	35, 212, 201
RGB Percent	14%, 83%, 79%
CMY	0.8647, 0.1695, 0.2126
CMYK	0.84, 0.00, 0.05, 0.17
HSL	176°, 72%, 48%
HSV	176°, 84%, 83%
XYZ	34.6813, 51.5317, 63.2443
YIQ	157.8230, -101.9610, -40.9450

Conversions

Conversions Part 2

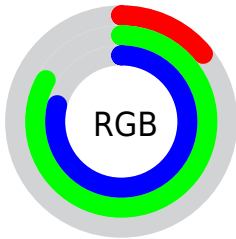
Format	Color
RYB	35, 126, 212
Decimal	2348233
CIELab	77.00, -43.57, -6.53
CIElCh	77, 44.057, 188.520
Yxy	51.5317, 0.2320, 0.3448
Android (android.graphics.Color)	4280538313 (0xFF23D4C9)
YUV	157.8230, 21.2863, -107.7158
Hunter-Lab	71.7856, -39.3873, -1.9855

Details

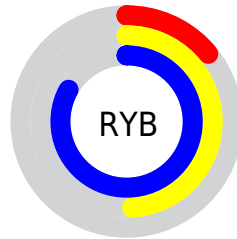
The CIELCh color **77, 44.057, 188.520** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **46, 77.197, 31.652**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.257, 197.016**, and **58, 36.827, 187.202** is the 20% darker color. If you saturate the color by 10%, you get **77, 45.427, 187.749**, and if you desaturate by 10%, it is **77, 41.811, 189.244**.

Distribution



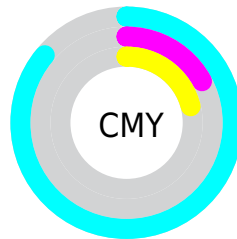
- Red (14%)
- Green (83%)
- Blue (79%)



- Red (14%)
- Yellow (49%)
- Blue (83%)



- Cyan (84%)
- Magenta (0%)
- Yellow (5%)
- Black (17%)



- Cyan (86%)
- Magenta (17%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 44.057, 188.520 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, 44.057, 188.520 by changing the saturation by 10% instead.


 77, 44.057,
188.520

 77, 44.057,
188.520

 100, 44.057,
188.520

 67, 44.057,
188.520


 97, 44.057,
188.520

 57, 44.057,
188.520

 47, 44.057,
188.520

 37, 44.057,
188.520

 27, 44.057,
188.520

 17, 44.057,
188.520

 7, 44.057, 188.520

■ 0, 44.057, 188.520

■ 77, 44.057,
188.520

■ 77, 44.057,
188.520

■ 77, 45.427,
187.749

■ 77, 41.811,
189.244

■ 77, 45.980,
187.247

■ 78, 38.626,
189.938

■ 78, 34.503,
190.616

■ 79, 29.499,
191.289

■ 80, 23.708,
191.966

■ 81, 17.249,
192.653

■ 83, 10.249,
193.361

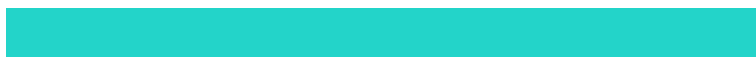
■ 84, 2.831, 194.199

■ 86, 4.889, 14.582

Harmonies

Complementary

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



77, 44.057, 188.520



46, 77.197, 31.652

Rectangle

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



77, 44.057, 188.520



77, 44.057, 238.520



77, 44.057, 8.520



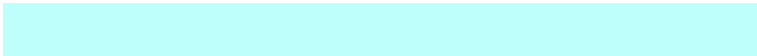
77, 44.057, 58.520

Sweetspot

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



77, 44.057, 188.519



96, 21.045, 192.545



75, 97.821, 136.184



51, 14.192, 192.300



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, 44.057, 188.519



91, 52.930, 187.155



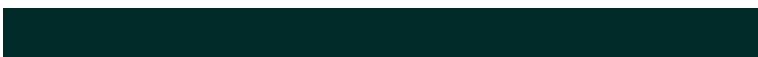
54, 47.230, 269.381



44, 4.324, 193.681



63, 39.146, 187.373



15, 15.184, 188.946

Inverse Universe

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



46, 77.197, 31.652



53, 102.149, 38.251



58, 66.304, 58.513



42, 4.558, 14.912



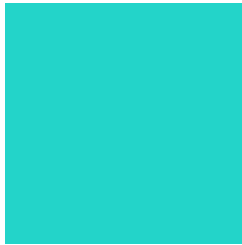
35, 74.810, 37.355



5, 21.966, 17.001

Previews

White Background



This preview shows how the CIELCh color 77, 44.057, 188.520 looks on a white background.

Color Contrast Check

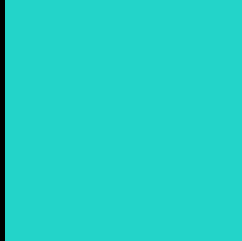
Large Text (above 18pt) WCAG AA × Fail

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, 44.057, 188.520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

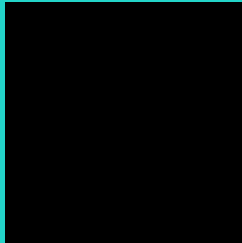
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

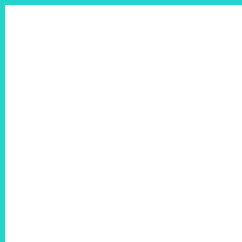
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 44.057, 188.520

Background



This preview shows how black text looks on a background with the CIELCh color 77, 44.057, 188.520.

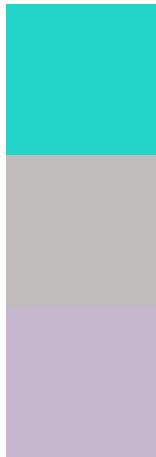


This preview shows how white text looks on a background with the CIELCh color 77, 44.057, 188.520.

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

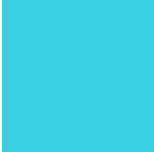
77, 44.057, 188.520

Protanopia

77, 1.573, 39.090

Deuteranopia

76, 14.071, 313.785



Tritanopia
77, 38.184, 210.908

Trichromacy



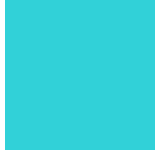
Original Color
77, 44.057, 188.520



Protanomaly
75, 21.201, 190.449



Deuteranomaly
75, 18.693, 218.617

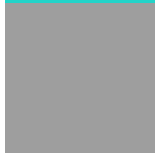


Tritanomaly
77, 39.663, 202.184

Monochromacy



Original Color
77, 44.057, 188.520



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 22.091, 191.849

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 44.057, 188.520 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(35, 212, 201)` looks like.

```
.text, #text, p{  
    color:rgb(35, 212, 201)  
}
```

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(35, 212, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 212, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 44.057, 188.520 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(35, 212, 201) }
```

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

```
.border{ border-color:rgb(35, 212, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 212, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 212, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 212, 201);  
box-shadow:4px 4px 4px 4px rgb(35, 212,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 44.057, 188.520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 212, 201) }
```

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

```
.background{ background-color: rgb(35, 212,  
201) }
```

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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