

Converting Colors

CIELCh(77, 49.618, 174.824)

Have a look what the booklet for
CIELCh(77, 49.618, 174.824)
contains.

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Color

CIELCh(77, 49.542, 174.857)

Conversions

Conversions Part 1

Format	Color
Hex	28D5B4
RGB	40, 213, 180
RGB Percent	16%, 84%, 71%
CMY	0.8441, 0.1632, 0.2927
CMYK	0.81, 0.00, 0.15, 0.16
HSL	169°, 69%, 50%
HSV	169°, 81%, 84%
XYZ	33.0276, 51.5317, 51.5751
YIQ	157.5110, -92.5150, -46.9390

Conversions

Conversions Part 2

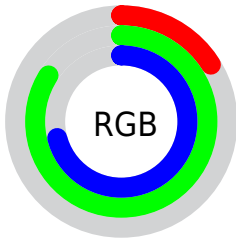
Format	Color
RYB	40, 136, 213
Decimal	2676148
CIELab	77.00, -49.34, 4.44
CIELCh	77, 49.542, 174.857
Yxy	51.5317, 0.2426, 0.3785
Android (android.graphics.Color)	4280866228 (0xFF28D5B4)
YUV	157.5110, 11.0871, -103.0571
Hunter-Lab	71.7856, -43.4994, 7.6524

Details

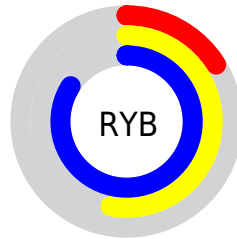
The CIELCh color **77, 49.542, 174.857** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **47, 70.909, 21.340**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 42.163, 183.213**, and **58, 42.656, 172.002** is the 20% darker color. If you saturate the color by 10%, you get **77, 52.114, 173.196**, and if you desaturate by 10%, it is **77, 46.094, 176.352**.

Distribution



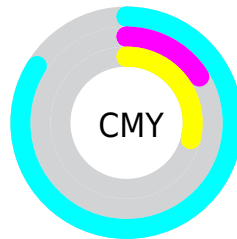
- Red (16%)
- Green (84%)
- Blue (71%)



- Red (16%)
- Yellow (53%)
- Blue (84%)



- Cyan (81%)
- Magenta (0%)
- Yellow (15%)
- Black (16%)




- Cyan (84%)
- Magenta (16%)
- Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 49.542, 174.857 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, 49.542, 174.857 by changing the saturation by 10% instead.


 77, 49.542,
174.857

 77, 49.542,
174.857

 100, 49.542,
174.857

 67, 49.542,
174.857

 97, 49.542,
174.857

 57, 49.542,
174.857

 47, 49.542,
174.857

 37, 49.542,
174.857

 27, 49.542,
174.857

 17, 49.542,
174.857

 7, 49.542, 174.857

0, 49.542, 174.857

77, 49.542,
174.857

77, 49.542,
174.857

77, 52.114,
173.196

77, 46.094,
176.352

77, 53.799,
171.662

78, 41.738,
177.703

79, 36.509,
178.931

80, 30.494,
180.059

81, 23.812,
181.108

82, 16.597,
182.099

■ 84, 8.982, 183.055

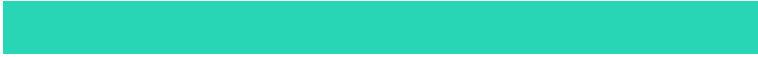
■ 85, 1.090, 184.375

■ 87, 6.970, 4.656

Harmonies

Complementary

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



77, 49.542, 174.857



47, 70.909, 21.340

Rectangle

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



77, 49.542, 174.857



77, 49.542, 224.857



77, 49.542, 354.857



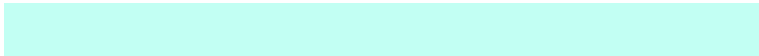
77, 49.542, 44.857

Sweetspot

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



77, 49.542, 174.856



96, 21.414, 181.819



76, 94.516, 134.342



51, 14.591, 181.463



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, 49.542, 174.856



90, 61.284, 171.825



62, 38.465, 247.878



44, 4.511, 183.242



62, 45.420, 171.963



15, 17.059, 175.702

Inverse Universe

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



47, 70.909, 21.340



54, 93.266, 30.316



54, 68.312, 48.635



42, 4.687, 4.810



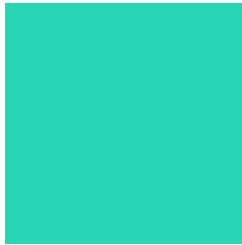
35, 69.073, 29.839



5, 22.041, 11.301

Previews

White Background



This preview shows how the CIELCh color 77, 49.542, 174.857 looks on a white background.

Color Contrast Check

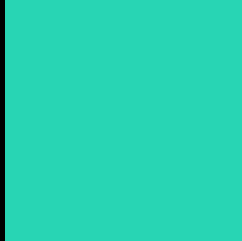
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 77, 49.542, 174.857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

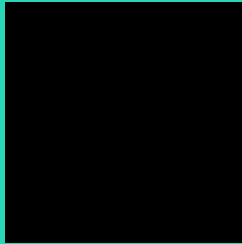
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

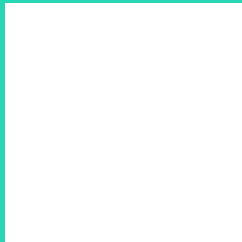
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 49.542, 174.857

Background



This preview shows how black text looks on a background with the CIELCh color 77, 49.542, 174.857.

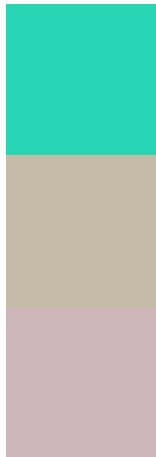


This preview shows how white text looks on a background with the CIELCh color 77, 49.542, 174.857.

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](#).

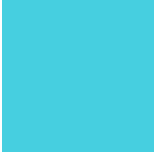
Dichromacy



Original Color
77, 49.459, 174.827

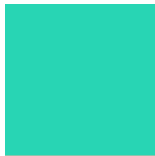
Protanopia
76, 11.765, 91.817

Deuteranopia
76, 9.800, 4.350



Tritanopia
77, 36.436, 211.708

Trichromacy



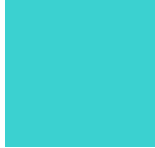
Original Color
77, 49.459, 174.827



Protanomaly
75, 24.641, 164.353



Deuteranomaly
75, 17.151, 183.425



Tritanomaly
77, 39.470, 195.835

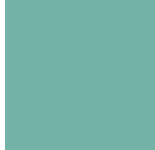
Monochromacy



Original Color
77, 49.459, 174.827



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 22.963, 180.715

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 49.542, 174.857 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(40, 213, 180)` looks like.

```
.text, #text, p{  
    color:rgb(40, 213, 180)  
}
```

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(40, 213, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 213, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 49.542, 174.857 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(40, 213, 180) }
```

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

```
.border{ border-color:rgb(40, 213, 180) }
```

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

Here you see how a box with a 4 pixel rgb(40, 213, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 213, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 213, 180);  
box-shadow:4px 4px 4px 4px rgb(40, 213,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 49.542, 174.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 213, 180) }
```

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

```
.background{ background-color: rgb(40, 213,  
180) }
```

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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