

Converting Colors

CIELCh(77, 47.428, 172.825)

Have a look what the booklet for
CIELCh(77, 47.428, 172.825)
contains.

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Color

CIELCh(77, 47.104, 173.176)

Conversions

Conversions Part 1

Format	Color
Hex	3FD4B2
RGB	63, 212, 178
RGB Percent	25%, 83%, 70%
CMY	0.7513, 0.1674, 0.3008
CMYK	0.70, 0.00, 0.16, 0.17
HSL	166°, 64%, 54%
HSV	166°, 70%, 83%
XYZ	33.7579, 51.5317, 50.4365
YIQ	163.5730, -77.8900, -42.1620

Conversions

Conversions Part 2

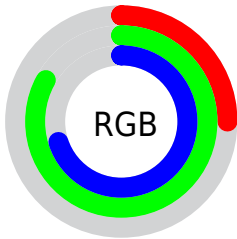
Format	Color
RYB	63, 147, 212
Decimal	4183218
CIELab	77.00, -46.77, 5.60
CIElCh	77, 47.104, 173.176
Yxy	51.5317, 0.2487, 0.3797
Android (android.graphics.Color)	4282373298 (0xFF3FD4B2)
YUV	163.5730, 7.1125, -88.2025
Hunter-Lab	71.7856, -41.6833, 8.5929

Details

The CIELCh color **77, 47.104, 173.176** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **50, 61.766, 13.722**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.128, 181.118**, and **57, 42.860, 171.235** is the 20% darker color. If you saturate the color by 10%, you get **77, 50.987, 171.562**, and if you desaturate by 10%, it is **78, 42.333, 174.624**.

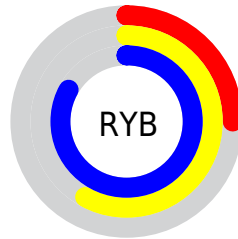
Distribution



Red (25%)

Green (83%)

Blue (70%)



Red (25%)

Yellow (58%)

Blue (83%)

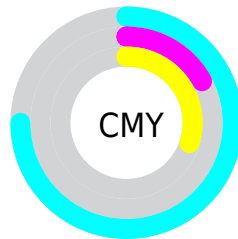


Cyan (70%)

Magenta (0%)

Yellow (16%)

Black (17%)



Cyan (75%)


Magenta (17%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 47.104, 173.176 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, 47.104, 173.176 by changing the saturation by 10% instead.

 77, 47.104,
173.176


 77, 47.104,
173.176


 100, 47.104,
173.176


 67, 47.104,
173.176


 97, 47.104,
173.176

 57, 47.104,
173.176

 47, 47.104,
173.176

 37, 47.104,
173.176

 27, 47.104,
173.176

 17, 47.104,
173.176

 7, 47.104, 173.176

0, 47.104, 173.176

77, 47.104,
173.176

77, 47.104,
173.176

77, 50.987,
171.562

78, 42.333,
174.624

76, 54.000,
169.770

78, 36.721,
175.934

76, 56.303,
167.863

79, 30.367,
177.129

81, 23.394,
178.231

82, 15.939,
179.261

83, 8.136, 180.250

■ 85, 0.105, 186.106

■ 87, 8.051, 1.890

■ 89, 16.245, 2.750

Harmonies

Complementary

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



77, 47.104, 173.176



50, 61.766, 13.722

Rectangle

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



77, 47.104, 173.176



77, 47.104, 223.176



77, 47.104, 353.176



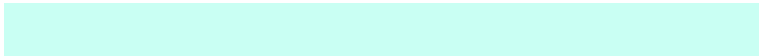
77, 47.104, 43.176

Sweetspot

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



77, 47.104, 173.175



96, 19.254, 179.152



76, 84.373, 133.950



51, 12.966, 178.869



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, 47.104, 173.175



90, 60.309, 170.735



66, 34.322, 237.992



44, 4.593, 180.321



62, 47.681, 168.185



15, 17.736, 172.317

Inverse Universe

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



50, 61.766, 13.722



56, 82.458, 19.884



56, 58.032, 46.186



42, 4.753, 1.933



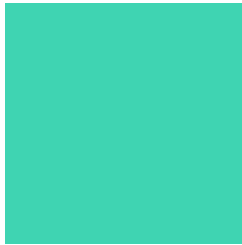
36, 67.413, 26.885



5, 22.102, 9.615

Previews

White Background



This preview shows how the CIELCh color 77, 47.104, 173.176 looks on a white background.

Color Contrast Check

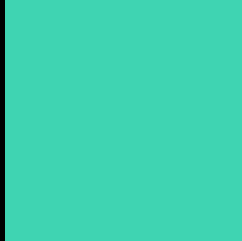
Large Text (above 18pt) WCAG AA × Fail

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, 47.104, 173.176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

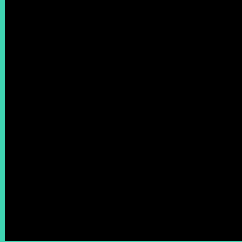
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

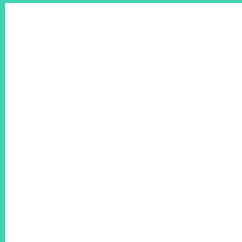
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 47.104, 173.176

Background



This preview shows how black text looks on a background with the CIELCh color 77, 47.104, 173.176.

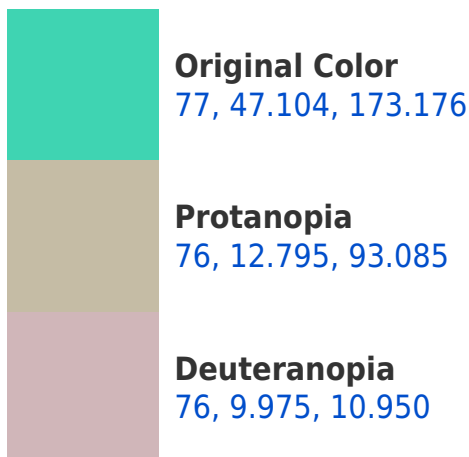


This preview shows how white text looks on a background with the CIELCh color 77, 47.104, 173.176.

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, 34.011, 212.937

Trichromacy



Original Color
77, 47.104, 173.176



Protanomaly
76, 23.177, 158.854



Deuteranomaly
75, 14.734, 176.744

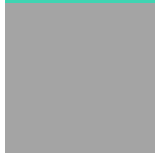


Tritanomaly
77, 36.716, 195.954

Monochromacy



Original Color
77, 47.104, 173.176



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 20.813, 177.651

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 47.104, 173.176 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(63, 212, 178)` looks like.

```
.text, #text, p{  
    color:rgb(63, 212, 178)  
}
```

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(63, 212, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 212, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 47.104, 173.176 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(63, 212, 178) }
```

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

```
.border{ border-color:rgb(63, 212, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 212, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 212, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 212, 178);  
box-shadow:4px 4px 4px 4px rgb(63, 212,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 47.104, 173.176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 212, 178) }
```

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

```
.background{ background-color: rgb(63, 212,  
178) }
```

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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