

Converting Colors

CIELCh(77, 50.846, 167.512)

Have a look what the booklet for
CIELCh(77, 50.846, 167.512)
contains.

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Color

CIELCh(77, 50.812, 167.455)

Conversions

Conversions Part 1

Format	Color
Hex	3FD5A8
RGB	63, 213, 168
RGB Percent	25%, 84%, 66%
CMY	0.7524, 0.1643, 0.3408
CMYK	0.70, 0.00, 0.21, 0.16
HSL	162°, 64%, 54%
HSV	162°, 70%, 84%
XYZ	32.9554, 51.5317, 45.3023
YIQ	163.0200, -74.9550, -45.7950

Conversions

Conversions Part 2

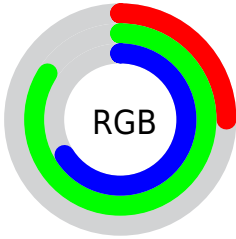
Format	Color
RYB	63, 151, 213
Decimal	4183464
CIELab	77.00, -49.60, 11.04
CIELCh	77, 50.812, 167.455
Yxy	51.5317, 0.2539, 0.3970
Android (android.graphics.Color)	4282373544 (0xFF3FD5A8)
YUV	163.0200, 2.4551, -87.7175
Hunter-Lab	71.7856, -43.6790, 12.8333

Details

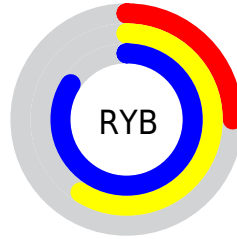
The CIELCh color **77, 50.812, 167.455** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **50, 61.817, 8.076**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 42.887, 173.964**, and **57, 46.604, 165.374** is the 20% darker color. If you saturate the color by 10%, you get **77, 55.343, 165.665**, and if you desaturate by 10%, it is **78, 45.414, 169.054**.

Distribution



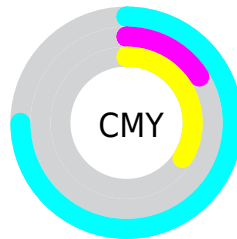
- Red (25%)
- Green (84%)
- Blue (66%)



- Red (25%)
- Yellow (59%)
- Blue (84%)



- Cyan (70%)
- Magenta (0%)
- Yellow (21%)
- Black (16%)



- Cyan (75%)
- Magenta (16%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 50.812, 167.455 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, 50.812, 167.455 by changing the saturation by 10% instead.

 77, 50.812,
167.455

 77, 50.812,
167.455


 100, 50.812,
167.455

 67, 50.812,
167.455


 97, 50.812,
167.455

 57, 50.812,
167.455

 47, 50.812,
167.455

 37, 50.812,
167.455

 27, 50.812,
167.455

 17, 50.812,
167.455

 7, 50.812, 167.455

■ 0, 50.812, 167.455

■ 77, 50.812,
167.455

■ 77, 50.812,
167.455

■ 77, 55.343,
165.665

■ 78, 45.414,
169.054

■ 76, 59.019,
163.675

■ 78, 39.205,
170.487

■ 76, 61.922,
161.621

■ 79, 32.291,
171.778

■ 81, 24.807,
172.952

■ 82, 16.893,
174.032

■ 84, 8.686, 175.050

■ 85, 0.307, 177.549

■ 87, 8.142, 356.723

■ 89, 16.578,
357.575

Harmonies

Complementary

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



77, 50.812, 167.455



50, 61.817, 8.076

Rectangle

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



77, 50.812, 167.455



77, 50.812, 217.455



77, 50.812, 347.455



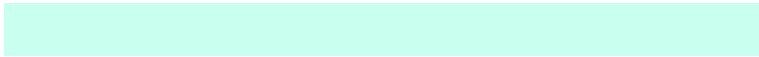
77, 50.812, 37.455

Sweetspot

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



77, 50.812, 167.454



96, 20.124, 173.944



77, 82.915, 131.909



51, 13.569, 173.649



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, 50.812, 167.454



90, 65.376, 164.796



70, 34.164, 223.731



44, 4.777, 175.146



62, 52.220, 161.982



15, 19.107, 166.622

Inverse Universe

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



50, 61.817, 8.076



56, 80.730, 13.823



54, 61.056, 40.313



42, 4.908, 356.786



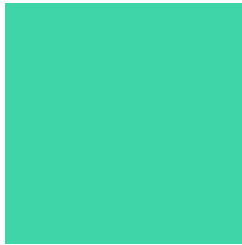
36, 64.827, 20.738



5, 22.278, 6.227

Previews

White Background



This preview shows how the CIELCh color 77, 50.812, 167.455 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, 50.812, 167.455 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

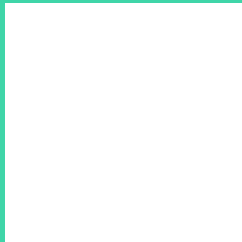
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 50.812, 167.455

Background



This preview shows how black text looks on a background with the CIELCh color 77, 50.812, 167.455.

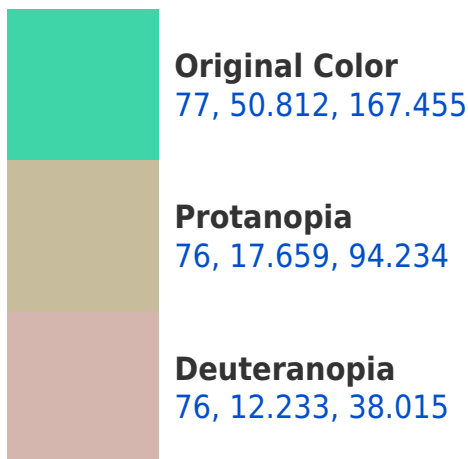


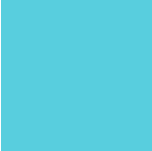
This preview shows how white text looks on a background with the CIELCh color 77, 50.812, 167.455.

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, 33.486, 212.242

Trichromacy



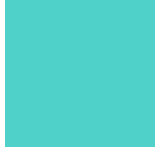
Original Color
77, 50.812, 167.455



Protanomaly
75, 26.613, 149.252



Deuteranomaly
75, 17.277, 157.197

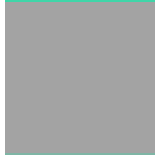


Tritanomaly
77, 37.483, 190.914

Monochromacy



Original Color
77, 50.812, 167.455



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 21.314, 173.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 50.812, 167.455 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, 213, 168)` looks like.

```
.text, #text, p{  
    color:rgb(63, 213, 168)  
}
```

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, 213, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 213, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 50.812, 167.455 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, 213, 168) }
```

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

```
.border{ border-color:rgb(63, 213, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 213, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 213, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 213, 168);  
box-shadow:4px 4px 4px 4px rgb(63, 213,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 50.812, 167.455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 213, 168) }
```

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

```
.background{ background-color: rgb(63, 213,  
168) }
```

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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