

Converting Colors

CIELCh(77, 33.635, 172.525)

Have a look what the booklet for
CIELCh(77, 33.635, 172.525)
contains.

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Color

CIELCh(77, 33.655, 172.370)

Conversions

Conversions Part 1

Format	Color
Hex	74CFB5
RGB	116, 207, 181
RGB Percent	45%, 81%, 71%
CMY	0.5460, 0.1892, 0.2911
CMYK	0.44, 0.00, 0.13, 0.19
HSL	163°, 49%, 63%
HSV	163°, 44%, 81%
XYZ	37.7414, 51.5317, 51.5478
YIQ	176.8270, -45.8900, -27.3780

Conversions

Conversions Part 2

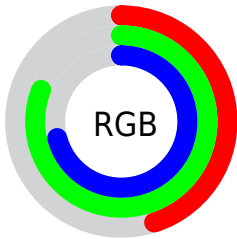
Format	Color
RYB	116, 169, 207
Decimal	7655349
CIELab	77.00, -33.36, 4.47
CIElCh	77, 33.655, 172.370
Yxy	51.5317, 0.2680, 0.3659
Android (android.graphics.Color)	4285845429 (0xFF74CFB5)
YUV	176.8270, 2.0573, -53.3453
Hunter-Lab	71.7856, -31.7781, 7.6750

Details

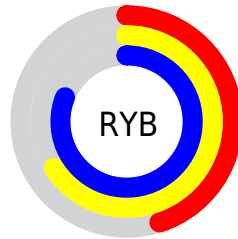
The CIELCh color **77, 33.655, 172.370** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **60, 38.697, 2.551**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 28.914, 178.834**, and **57, 33.736, 172.316** is the 20% darker color. If you saturate the color by 10%, you get **76, 40.055, 171.048**, and if you desaturate by 10%, it is **78, 26.643, 173.568**.

Distribution



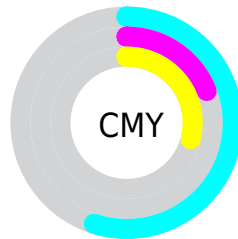
- Red (45%)
- Green (81%)
- Blue (71%)



- Red (45%)
- Yellow (66%)
- Blue (81%)



- Cyan (44%)
- Magenta (0%)
- Yellow (13%)
- Black (19%)





- Cyan (55%)
- Magenta (19%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 33.655, 172.370 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, 33.655, 172.370 by changing the saturation by 10% instead.


 77, 33.655,
172.370


 77, 33.655,
172.370


 100, 33.655,
172.370


 67, 33.655,
172.370


 97, 33.655,
172.370

 57, 33.655,
172.370

 47, 33.655,
172.370

 37, 33.655,
172.370

 27, 33.655,
172.370

 17, 33.655,
172.370

 7, 33.655, 172.370

■ 0, 33.655, 172.370

■ 77, 33.655,
172.370

■ 77, 33.655,
172.370

■ 76, 40.055,
171.048

■ 78, 26.643,
173.568

■ 75, 45.721,
169.582

■ 79, 19.151,
174.669

■ 75, 50.566,
167.946

■ 81, 11.317,
175.699

■ 74, 54.558,
166.119

■ 82, 3.263, 176.750

■ 74, 57.738,
164.094

■ 84, 4.904, 357.384

■ 74, 59.388,
162.838

■ 86, 13.096,
358.285

■ 88, 19.365,

356.617

■ 88, 20.681,
348.734

■ 88, 22.358,
341.949

Harmonies

Complementary

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



77, 33.655, 172.370



60, 38.697, 2.551

Rectangle

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



77, 33.655, 172.370



77, 33.655, 222.370



77, 33.655, 352.370



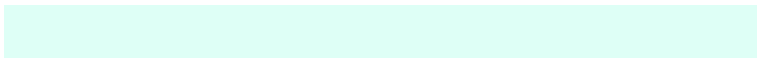
77, 33.655, 42.370

Sweetspot

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



77, 33.656, 172.369



97, 12.458, 175.784



77, 53.536, 133.523



52, 8.698, 175.560



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, 33.656, 172.369



92, 46.655, 171.099



72, 24.254, 222.159



43, 4.644, 176.161



61, 50.690, 163.177



14, 18.068, 168.037

Inverse Universe

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



60, 38.697, 2.551



67, 55.261, 4.529



63, 33.532, 39.575



41, 4.778, 357.795



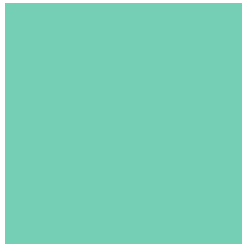
35, 64.534, 21.960



4, 20.444, 6.265

Previews

White Background



This preview shows how the CIELCh color 77, 33.655, 172.370 looks on a white background.

Color Contrast Check

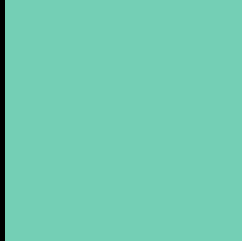
Large Text (above 18pt) WCAG AA × Fail

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, 33.655, 172.370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

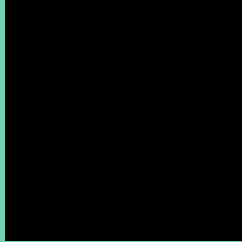
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

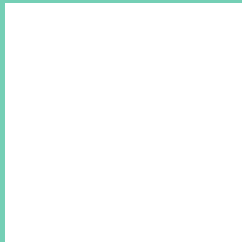
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 33.655, 172.370

Background



This preview shows how black text looks on a background with the CIELCh color 77, 33.655, 172.370.

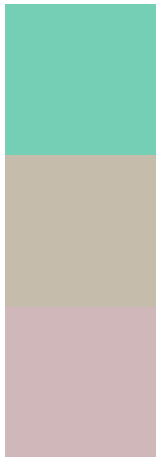


This preview shows how white text looks on a background with the CIELCh color 77, 33.655, 172.370.

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, 33.655, 172.370

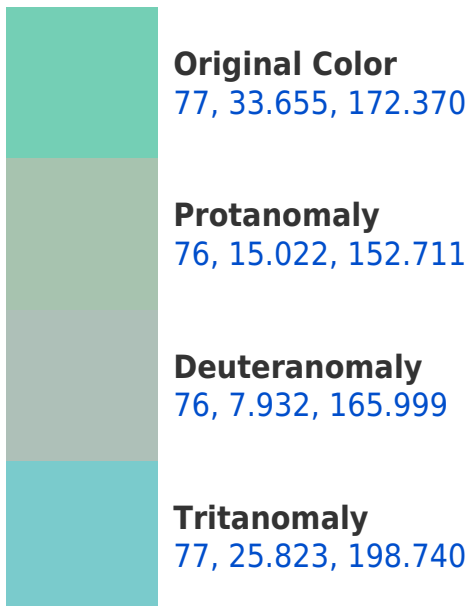
Protanopia
77, 9.731, 88.414

Deuteranopia
77, 9.585, 10.536

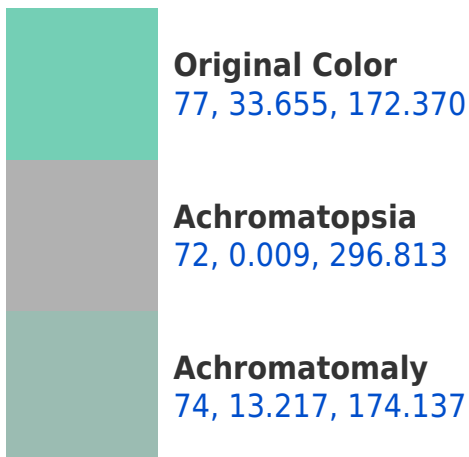


Tritanopia
77, 24.621, 219.833

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 33.655, 172.370 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(116, 207, 181)` looks like.

```
.text, #text, p{  
    color:rgb(116, 207, 181)  
}
```

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(116, 207, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 207, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 33.655, 172.370 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(116, 207, 181) }
```

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

```
.border{ border-color:rgb(116, 207, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 207, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 207, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 207, 181); box-shadow:4px 4px 4px 4px rgb(116, 207, 181) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 33.655, 172.370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 207, 181) }
```

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

```
.background{ background-color: rgb(116,  
207, 181) }
```

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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