

Converting Colors

CIELCh(75, 27.038, 172.873)

Have a look what the booklet for
CIELCh(75, 27.038, 172.873)
contains.

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Color

CIELCh(75, 26.667, 173.420)

Conversions

Conversions Part 1

Format	Color
Hex	80C6B2
RGB	128, 198, 178
RGB Percent	50%, 78%, 70%
CMY	0.4975, 0.2229, 0.3014
CMYK	0.35, 0.00, 0.10, 0.22
HSL	163°, 38%, 64%
HSV	163°, 35%, 78%
XYZ	37.2033, 48.2781, 49.5547
YIQ	174.7900, -35.3000, -21.0600

Conversions

Conversions Part 2

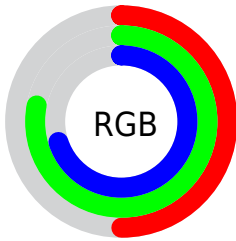
Format	Color
RYB	128, 169, 198
Decimal	8439474
CIELab	75.00, -26.49, 3.06
CIElCh	75, 26.667, 173.420
Yxy	48.2781, 0.2755, 0.3575
Android (android.graphics.Color)	4286629554 (0xFF80C6B2)
YUV	174.7900, 1.5825, -41.0348
Hunter-Lab	69.4824, -26.0192, 6.3523

Details

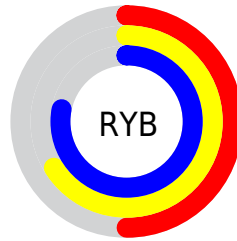
The CIELCh color **75, 26.667, 173.420** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **61, 29.791, 1.055**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 26.608, 173.751**, and **55, 26.862, 172.789** is the 20% darker color. If you saturate the color by 10%, you get **74, 33.379, 172.209**, and if you desaturate by 10%, it is **76, 19.480, 174.528**.

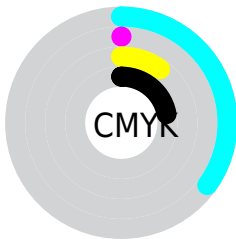
Distribution



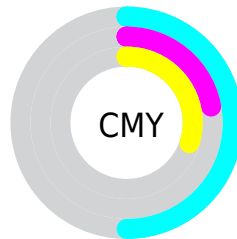
- Red (50%)
- Green (78%)
- Blue (70%)



- Red (50%)
- Yellow (66%)
- Blue (78%)



- Cyan (35%)
- Magenta (0%)
- Yellow (10%)
- Black (22%)





- Cyan (50%)
- Magenta (22%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 26.667, 173.420 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 75, 26.667, 173.420 by changing the saturation by 10% instead.


 75, 26.667,
173.420


 75, 26.667,
173.420


 100, 26.667,
173.420


 65, 26.667,
173.420


 95, 26.667,
173.420

 55, 26.667,
173.420

 45, 26.667,
173.420

 35, 26.667,
173.420

 25, 26.667,
173.420

 15, 26.667,
173.420

 5, 26.667, 173.420

■ 0, 26.667, 173.420

■ 75, 26.667,
173.420

■ 75, 26.667,
173.420

■ 74, 33.379,
172.209

■ 76, 19.480,
174.528

■ 73, 39.484,
170.876

■ 78, 11.946,
175.561

■ 72, 44.870,
169.396

■ 79, 4.186, 176.584

■ 72, 49.459,
167.743

■ 81, 3.695, 357.231


■ 71, 53.227,
165.899

■ 83, 11.610,
358.162


■ 71, 56.223,
163.860


■ 84, 19.491,
358.979

■ 85, 23.242,

 71, 57.480,
162.893

355.176

 86, 24.521,
348.837

 86, 26.087,
343.223

Harmonies

Complementary

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



75, 26.667, 173.420



61, 29.791, 1.055

Rectangle

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



75, 26.667, 173.420



75, 26.667, 223.420



75, 26.667, 353.420



75, 26.667, 43.420

Sweetspot

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



75, 26.668, 173.418



98, 10.562, 175.979



75, 41.763, 134.014



52, 7.088, 175.841



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75, 26.668, 173.418



93, 38.233, 172.547



72, 19.546, 221.283



41, 4.457, 176.158



59, 49.518, 163.223



11, 16.515, 168.779

Inverse Universe

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



61, 29.791, 1.055



73, 43.745, 2.269



64, 25.079, 39.310



39, 4.585, 357.780



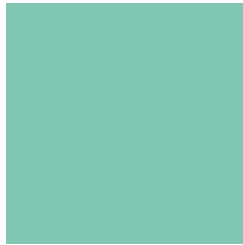
34, 63.029, 21.797



4, 16.463, 4.933

Previews

White Background



This preview shows how the CIELCh color 75, 26.667, 173.420 looks on a white background.

Color Contrast Check

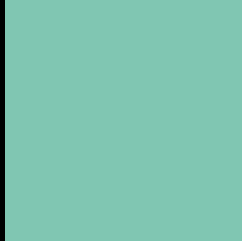
Large Text (above 18pt) WCAG AA × Fail

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 75, 26.667, 173.420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

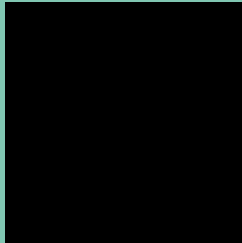
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 26.667, 173.420

Background



This preview shows how black text looks on a background with the CIELCh color 75, 26.667, 173.420.

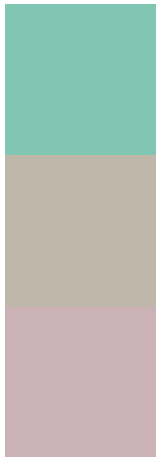


This preview shows how white text looks on a background with the CIELCh color 75, 26.667, 173.420.

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](#).

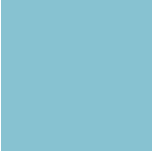
Dichromacy



Original Color
75, 26.667, 173.420

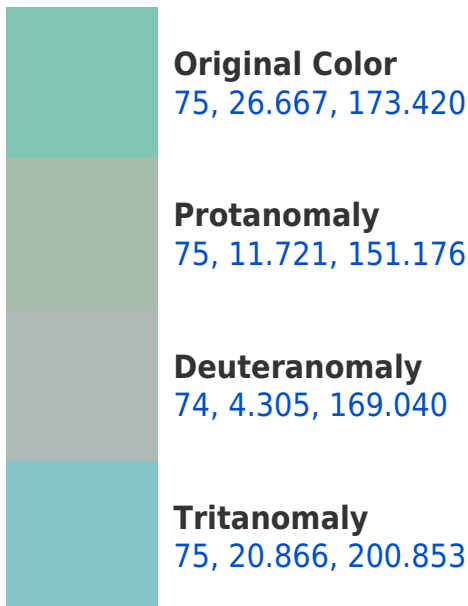
Protanopia
75, 7.483, 88.431

Deuteranopia
75, 9.350, 6.874

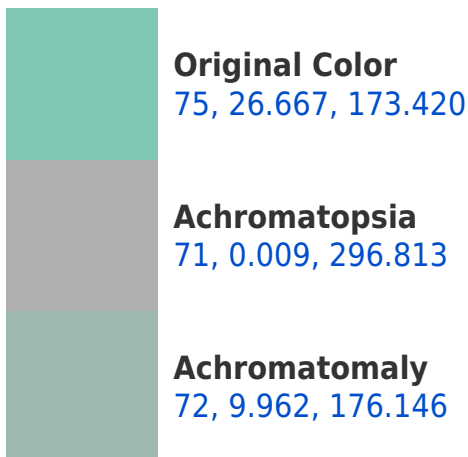


Tritanopia
75, 20.418, 221.669

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 26.667, 173.420 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(128, 198, 178)` looks like.

```
.text, #text, p{  
    color:rgb(128, 198, 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(128, 198, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 198, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 26.667, 173.420 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(128, 198, 178) }
```

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

```
.border{ border-color:rgb(128, 198, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 198, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 198, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 198, 178);  
box-shadow:4px 4px 4px 4px rgb(128, 198,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 26.667, 173.420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 198, 178) }
```

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

```
.background{ background-color: rgb(128,  
198, 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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