

Converting Colors

CIELCh(77, 27.818, 170.091)

Have a look what the booklet for
CIELCh(77, 27.818, 170.091)
contains.

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Color

CIELCh(77, 27.993, 169.870)

Conversions

Conversions Part 1

Format	Color
Hex	85CCB4
RGB	133, 204, 180
RGB Percent	52%, 80%, 71%
CMY	0.4780, 0.1996, 0.2937
CMYK	0.35, 0.00, 0.12, 0.20
HSL	160°, 41%, 66%
HSV	160°, 35%, 80%
XYZ	39.5568, 51.5317, 51.0978
YIQ	180.0350, -34.6120, -22.5160

Conversions

Conversions Part 2

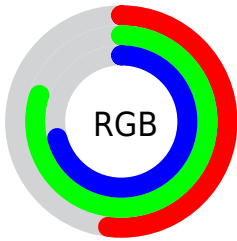
Format	Color
RYB	133, 176, 204
Decimal	8768692
CIELab	77.00, -27.56, 4.92
CIELCh	77, 27.993, 169.870
Yxy	51.5317, 0.2782, 0.3624
Android (android.graphics.Color)	4286958772 (0xFF85CCB4)
YUV	180.0350, -0.0173, -41.2497
Hunter-Lab	71.7856, -27.2640, 8.0467

Details

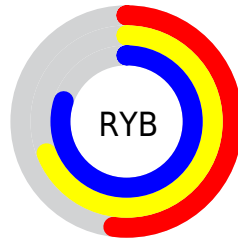
The CIELCh color **77, 27.993, 169.870** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **63, 30.605, 357.292**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 24.708, 174.540**, and **57, 27.759, 169.875** is the 20% darker color. If you saturate the color by 10%, you get **76, 35.286, 168.629**, and if you desaturate by 10%, it is **78, 20.255, 170.996**.

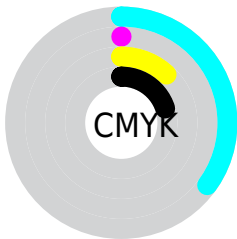
Distribution



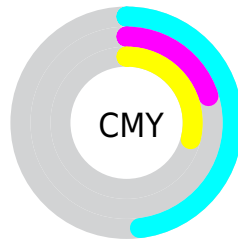
- Red (52%)
- Green (80%)
- Blue (71%)



- Red (52%)
- Yellow (69%)
- Blue (80%)



- Cyan (35%)
- Magenta (0%)
- Yellow (12%)
- Black (20%)




- Cyan (48%)
- Magenta (20%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 27.993, 169.870 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, 27.993, 169.870 by changing the saturation by 10% instead.

 77, 27.993,
169.870

 77, 27.993,
169.870


 100, 27.993,
169.870


 67, 27.993,
169.870


 97, 27.993,
169.870

 57, 27.993,
169.870

 47, 27.993,
169.870

 37, 27.993,
169.870

 27, 27.993,
169.870

 17, 27.993,
169.870

 7, 27.993, 169.870

77, 27.993,
169.870

77, 27.993,
169.870

76, 35.286,
168.629

78, 20.255,
170.996

75, 41.994,
167.253

80, 12.206,
172.036

74, 47.992,
165.714

81, 3.971, 173.063

83, 4.344, 353.717

74, 53.193,
163.990

85, 12.653,
354.615

73, 57.559,
162.062

87, 20.698,
355.131

73, 61.134,
159.932

87, 22.336,

■ 73, 62.806,
158.798

346.682

■ 87, 24.414,
339.577

■ 87, 26.827,
333.719

Harmonies

Complementary

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



77, 27.993, 169.870



63, 30.605, 357.292

Rectangle

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



77, 27.993, 169.870



77, 27.993, 219.870



77, 27.993, 349.870



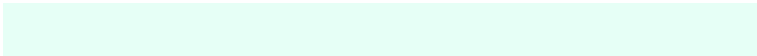
77, 27.993, 39.870

Sweetspot

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



77, 27.994, 169.868



98, 9.919, 172.504



77, 41.510, 132.495



52, 6.762, 172.361



0, 0.000, 0.000



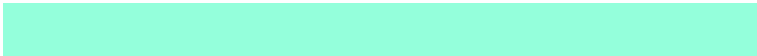
53, 0.007, 296.813

Same Dimension

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



77, 27.994, 169.868



93, 39.852, 168.918



75, 20.288, 214.634



42, 4.696, 172.578



60, 53.473, 159.160



12, 18.247, 164.658

Inverse Universe

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



63, 30.605, 357.292



73, 44.449, 358.518



65, 26.088, 34.586



40, 4.809, 354.198



35, 62.370, 17.099



4, 18.727, 2.944

Previews

White Background



This preview shows how the CIELCh color 77, 27.993, 169.870 looks on a white background.

Color Contrast Check

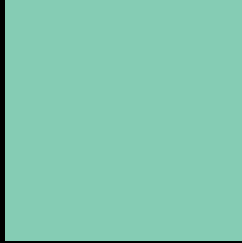
Large Text (above 18pt) WCAG AA × Fail

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, 27.993, 169.870 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

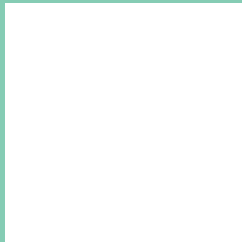
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 27.993, 169.870

Background



This preview shows how black text looks on a background with the CIELCh color 77, 27.993, 169.870.

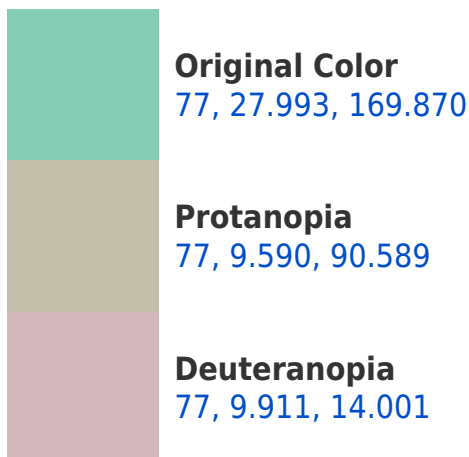


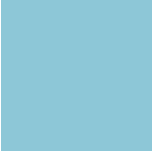
This preview shows how white text looks on a background with the CIELCh color 77, 27.993, 169.870.

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](#).

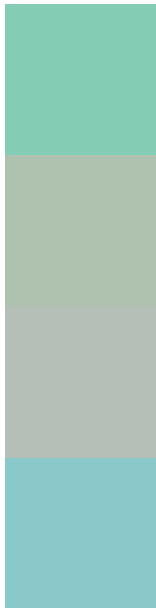
Dichromacy





Tritanopia
77, 20.286, 223.436

Trichromacy



Original Color
77, 27.993, 169.870

Protanomaly
76, 12.698, 145.212

Deuteranomaly
76, 5.703, 150.253

Tritanomaly
77, 20.884, 199.369

Monochromacy



Original Color
77, 27.993, 169.870

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 10.732, 171.616

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 27.993, 169.870 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(133, 204, 180)` looks like.

```
.text, #text, p{  
    color:rgb(133, 204, 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(133, 204, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 204, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 27.993, 169.870 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(133, 204, 180) }
```

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

```
.border{ border-color:rgb(133, 204, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 204, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 204, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 204, 180);  
box-shadow:4px 4px 4px 4px rgb(133, 204,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 27.993, 169.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 204, 180) }
```

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

```
.background{ background-color: rgb(133,  
204, 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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