

Converting Colors

CIELCh(77, 28.315, 175.814)

Have a look what the booklet for
CIELCh(77, 28.315, 175.814)
contains.

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Color

CIELCh(77, 28.714, 175.243)

Conversions

Conversions Part 1

Format	Color
Hex	7FCDB9
RGB	127, 205, 185
RGB Percent	50%, 80%, 73%
CMY	0.5029, 0.1970, 0.2754
CMYK	0.38, 0.00, 0.10, 0.20
HSL	165°, 44%, 65%
HSV	165°, 38%, 80%
XYZ	39.2213, 51.5317, 53.6464
YIQ	179.3980, -40.0680, -22.7560

Conversions

Conversions Part 2

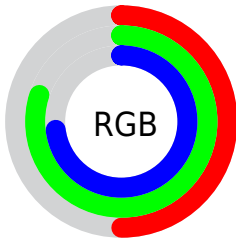
Format	Color
RYB	127, 172, 205
Decimal	8375737
CIELab	77.00, -28.62, 2.38
CIElCh	77, 28.714, 175.243
Yxy	51.5317, 0.2716, 0.3569
Android (android.graphics.Color)	4286565817 (0xFF7FCDB9)
YUV	179.3980, 2.7618, -45.9530
Hunter-Lab	71.7856, -28.0983, 5.9416

Details

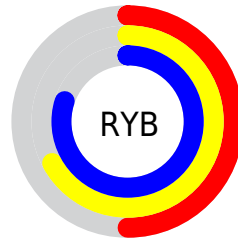
The CIELCh color **77, 28.714, 175.243** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **62, 32.823, 3.654**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 25.008, 181.056**, and **57, 28.461, 175.523** is the 20% darker color. If you saturate the color by 10%, you get **76, 35.225, 174.030**, and if you desaturate by 10%, it is **78, 21.655, 176.355**.

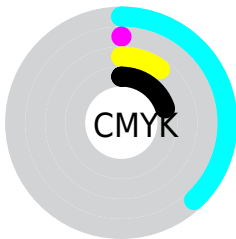
Distribution



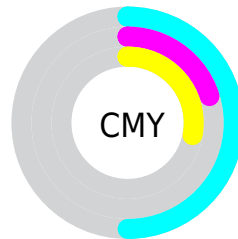
- Red (50%)
- Green (80%)
- Blue (73%)



- Red (50%)
- Yellow (67%)
- Blue (80%)



- Cyan (38%)
- Magenta (0%)
- Yellow (10%)
- Black (20%)



- Cyan (50%)
- Magenta (20%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 28.714, 175.243 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, 28.714, 175.243 by changing the saturation by 10% instead.

 77, 28.714,
175.243

 77, 28.714,
175.243

 100, 28.714,
175.243

 67, 28.714,
175.243


 97, 28.714,
175.243

 57, 28.714,
175.243

 47, 28.714,
175.243

 37, 28.714,
175.243

 27, 28.714,
175.243

 17, 28.714,
175.243

 7, 28.714, 175.243

0, 28.714, 175.243

77, 28.714,
175.243

77, 28.714,
175.243

76, 35.225,
174.030

78, 21.655,
176.355

75, 41.057,
172.697

79, 14.178,
177.393

75, 46.107,
171.220

81, 6.412, 178.396

83, 1.529, 358.894

74, 50.312,
169.573

84, 9.551, 0.027

74, 53.672,
167.739

86, 17.577, 0.868

73, 56.297,
165.734

87, 20.342,
355.674

■ 73, 56.769,
165.355

■ 87, 21.524,
348.984

■ 87, 22.982,
343.094

Harmonies

Complementary

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



77, 28.714, 175.243



62, 32.823, 3.654

Rectangle

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



77, 28.714, 175.243



77, 28.714, 225.243



77, 28.714, 355.243



77, 28.714, 45.243

Sweetspot

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



77, 28.715, 175.241



98, 10.387, 178.088



77, 46.645, 134.838



52, 6.969, 177.951



0, 0.000, 0.000



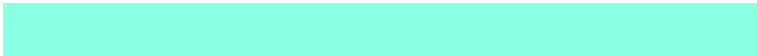
53, 0.007, 296.813

Same Dimension

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



77, 28.715, 175.241



93, 40.453, 174.219



72, 21.177, 226.211



42, 4.477, 178.263



60, 48.278, 165.694



13, 16.804, 170.661

Inverse Universe

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



62, 32.823, 3.654



71, 47.714, 5.207



66, 27.585, 42.619



40, 4.619, 359.883



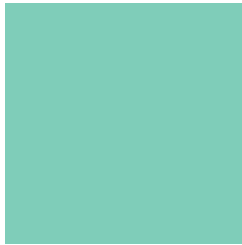
34, 64.781, 24.428



4, 18.387, 6.993

Previews

White Background



This preview shows how the CIELCh color 77, 28.714, 175.243 looks on a white background.

Color Contrast Check

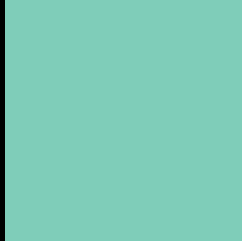
Large Text (above 18pt) WCAG AA × Fail

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, 28.714, 175.243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

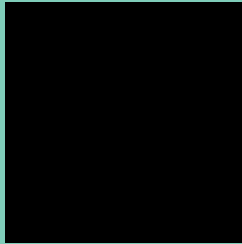
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

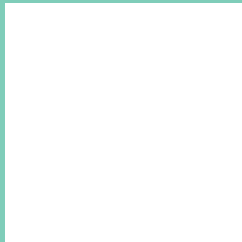
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 28.714, 175.243

Background



This preview shows how black text looks on a background with the CIELCh color 77, 28.714, 175.243.

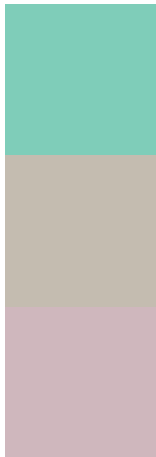


This preview shows how white text looks on a background with the CIELCh color 77, 28.714, 175.243.

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, 28.714, 175.243

Protanopia

77, 7.100, 84.095

Deuteranopia

77, 9.576, 0.586



Tritanopia
77, 22.058, 221.157

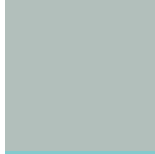
Trichromacy



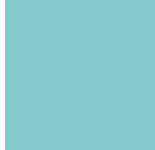
Original Color
77, 28.714, 175.243



Protanomaly
76, 11.783, 155.439



Deuteranomaly
76, 5.250, 174.899

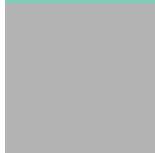


Tritanomaly
77, 22.763, 201.861

Monochromacy



Original Color
77, 28.714, 175.243



Achromatopsia
73, 0.009, 296.813



Achromatomaly
74, 10.896, 178.189

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 28.714, 175.243 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(127, 205, 185)` looks like.

```
.text, #text, p{  
    color:rgb(127, 205, 185)  
}
```

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(127, 205, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 205, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 28.714, 175.243 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(127, 205, 185) }
```

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

```
.border{ border-color:rgb(127, 205, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 205, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 205, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 205, 185);  
box-shadow:4px 4px 4px 4px rgb(127, 205,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 28.714, 175.243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 205, 185) }
```

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

```
.background{ background-color: rgb(127,  
205, 185) }
```

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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