

Converting Colors

CIELCh(77, 23.684, 195.553)

Have a look what the booklet for
CIELCh(77, 23.684, 195.553)
contains.

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Color

CIELCh(77, 23.943, 195.063)

Conversions

Conversions Part 1

Format	Color
Hex	82CBC9
RGB	130, 203, 201
RGB Percent	51%, 80%, 79%
CMY	0.4911, 0.2048, 0.2127
CMYK	0.36, 0.00, 0.01, 0.20
HSL	178°, 41%, 65%
HSV	178°, 36%, 80%
XYZ	40.9839, 51.5317, 62.8982
YIQ	180.9450, -42.8660, -16.0980

Conversions

Conversions Part 2

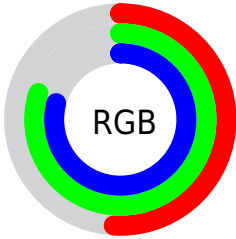
Format	Color
RYB	130, 167, 203
Decimal	8571849
CIELab	77.00, -23.12, -6.22
CIElCh	77, 23.943, 195.063
Yxy	51.5317, 0.2637, 0.3316
Android (android.graphics.Color)	4286761929 (0xFF82CBC9)
YUV	180.9450, 9.8871, -44.6788
Hunter-Lab	71.7856, -23.7155, -1.6997

Details

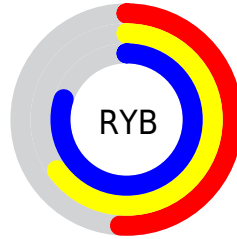
The CIELCh color **77, 23.943, 195.063** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **62, 30.370, 20.639**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 22.269, 198.045**, and **57, 23.993, 194.454** is the 20% darker color. If you saturate the color by 10%, you get **76, 29.232, 194.546**, and if you desaturate by 10%, it is **78, 17.959, 195.611**.

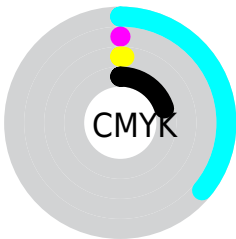
Distribution



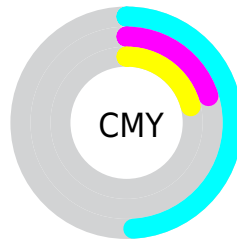
- Red (51%)
- Green (80%)
- Blue (79%)



- Red (51%)
- Yellow (65%)
- Blue (80%)



- Cyan (36%)
- Magenta (0%)
- Yellow (1%)
- Black (20%)



- Cyan (49%)
- Magenta (20%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 23.943, 195.063 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, 23.943, 195.063 by changing the saturation by 10% instead.


 77, 23.943,
195.063

 77, 23.943,
195.063


 100, 23.943,
195.063

 67, 23.943,
195.063


 97, 23.943,
195.063

 57, 23.943,
195.063

 47, 23.943,
195.063

 37, 23.943,
195.063

 27, 23.943,
195.063

 17, 23.943,
195.063

 7, 23.943, 195.063

0, 23.943, 195.063

77, 23.943,
195.063

77, 23.943,
195.063

76, 29.232,
194.546

78, 17.959,
195.611

75, 33.722,
194.067

79, 11.399,
196.202

75, 37.333,
193.620

81, 4.381, 196.880

82, 2.981, 17.190

74, 40.029,
193.199

84, 10.587, 17.963

74, 41.826,
192.796

86, 18.351, 18.635

74, 42.808,
192.399

86, 19.722, 18.065

■ 74, 43.081,
192.241

■ 86, 19.716, 17.229

■ 86, 19.715, 16.393

Harmonies

Complementary

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



77, 23.943, 195.063



62, 30.370, 20.639

Rectangle

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



77, 23.943, 195.063



77, 23.943, 245.063



77, 23.943, 15.063



77, 23.943, 65.063

Sweetspot

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



77, 23.943, 195.060



98, 9.560, 196.510



76, 47.089, 141.049



52, 6.401, 196.421



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, 23.943, 195.060



94, 33.303, 194.667



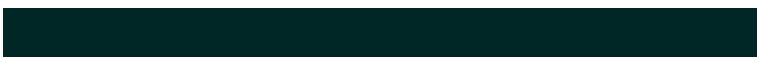
67, 22.115, 257.539



42, 4.130, 196.628



61, 37.076, 192.299



13, 13.738, 193.129

Inverse Universe

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



62, 30.370, 20.639



72, 44.733, 21.882



70, 25.012, 67.474



40, 4.369, 17.706



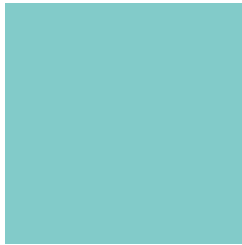
34, 74.433, 38.708



4, 17.921, 18.053

Previews

White Background



This preview shows how the CIELCh color 77, 23.943, 195.063 looks on a white background.

Color Contrast Check

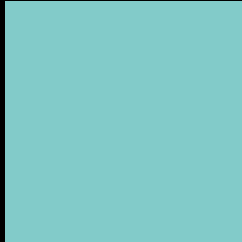
Large Text (above 18pt) WCAG AA × Fail

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, 23.943, 195.063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

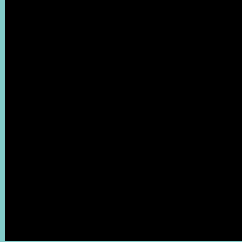
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

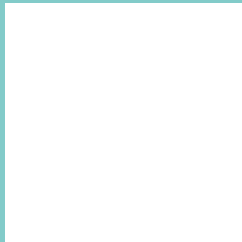
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 23.943, 195.063

Background



This preview shows how black text looks on a background with the CIELCh color 77, 23.943, 195.063.

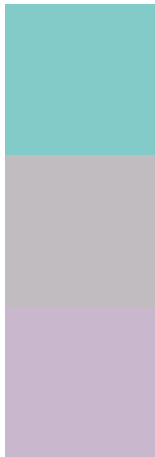


This preview shows how white text looks on a background with the CIELCh color 77, 23.943, 195.063.

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](#).

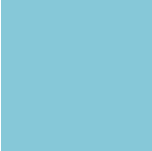
Dichromacy



Original Color
77, 23.943, 195.063

Protanopia
77, 2.627, 324.460

Deuteranopia
77, 12.921, 319.533



Tritanopia
77, 22.308, 220.868

Trichromacy



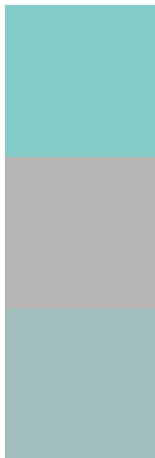
Original Color
77, 23.943, 195.063

Protanomaly
76, 8.567, 206.055

Deuteranomaly
76, 8.455, 249.058

Tritanomaly
77, 22.487, 210.381

Monochromacy



Original Color
77, 23.943, 195.063

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 9.674, 195.478

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 23.943, 195.063 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(130, 203, 201)` looks like.

```
.text, #text, p{  
    color:rgb(130, 203, 201)  
}
```

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(130, 203, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 203, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 23.943, 195.063 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(130, 203, 201) }
```

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

```
.border{ border-color:rgb(130, 203, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 203, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 203, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 203, 201);  
box-shadow:4px 4px 4px 4px rgb(130, 203,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 23.943, 195.063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 203, 201) }
```

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

```
.background{ background-color: rgb(130,  
203, 201) }
```

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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