

Converting Colors

CIELCh(77, 23.398, 168.197)

Have a look what the booklet for
CIELCh(77, 23.398, 168.197)
contains.

CIELCh(77, 23.271, 168.656)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(77, 23.271, 168.656)

Conversions

Conversions Part 1

Format	Color
Hex	91CAB5
RGB	145, 202, 181
RGB Percent	57%, 79%, 71%
CMY	0.4318, 0.2083, 0.2906
CMYK	0.28, 0.00, 0.10, 0.21
HSL	158°, 35%, 68%
HSV	158°, 28%, 79%
XYZ	41.0829, 51.5317, 51.4399
YIQ	182.5630, -27.2310, -18.6150

Conversions

Conversions Part 2

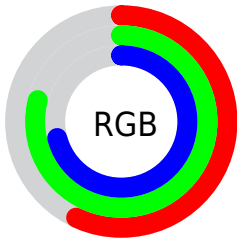
Format	Color
RYB	145, 180, 202
Decimal	9554613
CIELab	77.00, -22.82, 4.58
CIELCh	77, 23.271, 168.656
Yxy	51.5317, 0.2852, 0.3577
Android (android.graphics.Color)	4287744693 (0xFF91CAB5)
YUV	182.5630, -0.7706, -32.9428
Hunter-Lab	71.7856, -23.4693, 7.7641

Details

The CIELCh color **77, 23.271, 168.656** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **66, 24.797, 354.338**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 21.032, 172.029**, and **57, 23.409, 168.027** is the 20% darker color. If you saturate the color by 10%, you get **76, 31.028, 167.487**, and if you desaturate by 10%, it is **78, 15.184, 169.719**.

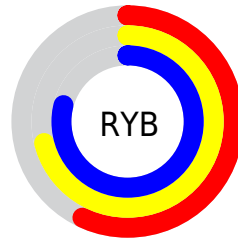
Distribution



Red (57%)

Green (79%)

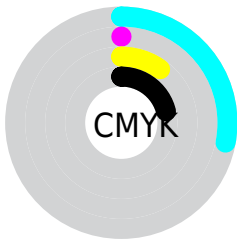
Blue (71%)



Red (57%)

Yellow (71%)

Blue (79%)

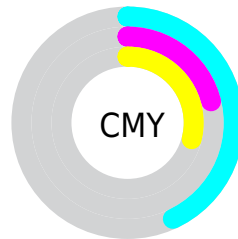


Cyan (28%)

Magenta (0%)

Yellow (10%)

Black (21%)



Cyan (43%)


Magenta (21%)

Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 23.271, 168.656 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, 23.271, 168.656 by changing the saturation by 10% instead.

 77, 23.271,
168.656

 77, 23.271,
168.656


 100, 23.271,
168.656


 67, 23.271,
168.656


 97, 23.271,
168.656

 57, 23.271,
168.656

 47, 23.271,
168.656

 37, 23.271,
168.656

 27, 23.271,
168.656

 17, 23.271,
168.656

 7, 23.271, 168.656

■ 0, 23.271, 168.656

■ 77, 23.271,
168.656

■ 77, 23.271,
168.656

■ 76, 31.028,
167.487

■ 78, 15.184,
169.719

■ 75, 38.312,
166.193

■ 80, 6.893, 170.722

■ 74, 44.988,
164.747

■ 82, 1.491, 351.241

■ 83, 9.874, 352.332

■ 73, 50.937,
163.124

■ 85, 18.188,
353.131

■ 73, 56.082,
161.303

■ 86, 22.874,
348.679

■ 72, 60.407,
159.272

■ 87, 25.010,
341.017

■ 72, 64.014,
157.068

■ 87, 27.545,
334.720

■ 72, 64.626,
156.685

■ 87, 30.376,
329.600

Harmonies

Complementary

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



77, 23.271, 168.656



66, 24.797, 354.338

Rectangle

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



77, 23.271, 168.656



77, 23.271, 218.656



77, 23.271, 348.656



77, 23.271, 38.656

Sweetspot

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



77, 23.272, 168.654



98, 8.097, 170.734



78, 33.139, 131.758



52, 5.752, 170.581



0, 0.000, 0.000



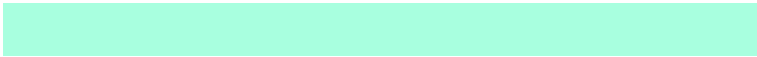
53, 0.007, 296.813

Same Dimension

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



77, 23.272, 168.654



94, 33.571, 167.940



76, 17.166, 210.332



42, 4.788, 170.604



60, 55.470, 157.036



12, 18.810, 162.656

Inverse Universe

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



66, 24.797, 354.338



78, 36.289, 355.175



67, 20.940, 31.200



40, 4.891, 352.208



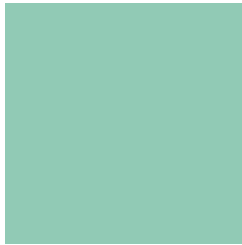
35, 61.790, 14.230



4, 18.892, 1.306

Previews

White Background



This preview shows how the CIELCh color 77, 23.271, 168.656 looks on a white background.

Color Contrast Check

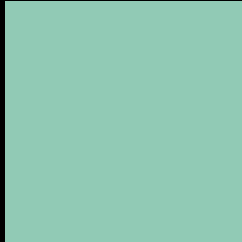
Large Text (above 18pt) WCAG AA × Fail

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, 23.271, 168.656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

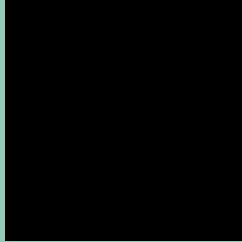
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

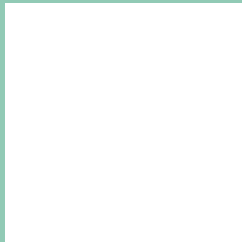
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 23.271, 168.656

Background



This preview shows how black text looks on a background with the CIELCh color 77, 23.271, 168.656.



This preview shows how white text looks on a background with the CIELCh color 77, 23.271, 168.656.

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, 23.271, 168.656

Protanopia
77, 8.449, 90.913

Deuteranopia
77, 9.911, 14.001



Tritanopia
77, 16.929, 229.167

Trichromacy



Original Color
77, 23.271, 168.656

Protanomaly
77, 11.157, 143.955

Deuteranomaly
77, 3.554, 134.587

Tritanomaly
77, 16.969, 201.827

Monochromacy



Original Color
77, 23.271, 168.656

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 8.291, 171.680

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 23.271, 168.656 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(145, 202, 181)` looks like.

```
.text, #text, p{  
    color:rgb(145, 202, 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(145, 202, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 202, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 23.271, 168.656 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(145, 202, 181) }
```

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

```
.border{ border-color:rgb(145, 202, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 202, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 202, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 202, 181);  
box-shadow:4px 4px 4px 4px rgb(145, 202,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 23.271, 168.656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 202, 181) }
```

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

```
.background{ background-color: rgb(145,  
202, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor