

Converting Colors

CIELCh(77, 16.793, 198.795)

Have a look what the booklet for
CIELCh(77, 16.793, 198.795)
contains.

CIELCh(77, 16.740, 198.176)	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, 16.740, 198.176)

Conversions

Conversions Part 1	
Format	Color
Hex	96C7C7
RGB	150, 199, 199
RGB Percent	59%, 78%, 78%
CMY	0.4113, 0.2191, 0.2191
CMYK	0.25, 0.00, 0.00, 0.22
HSL	180°, 30%, 68%
HSV	180°, 25%, 78%
XYZ	43.3777, 51.5317, 61.7716
YIQ	184.3490, -29.2040, -10.3880

Conversions

Conversions Part 2

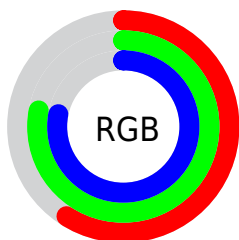
Format	Color
RYB	150, 175, 199
Decimal	9881543
CIELab	77.00, -15.90, -5.22
CIELCh	77, 16.740, 198.176
Yxy	51.5317, 0.2769, 0.3289
Android (android.graphics.Color)	4288071623 (0xFF96C7C7)
YUV	184.3490, 7.2229, -30.1241
Hunter-Lab	71.7856, -17.7632, -0.7692

Details

The CIELCh color **77, 16.740, 198.176** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **67, 19.723, 21.279**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 16.562, 198.406**, and **57, 16.888, 197.832** is the 20% darker color. If you saturate the color by 10%, you get **76, 22.651, 197.729**, and if you desaturate by 10%, it is **78, 10.258, 198.675**.

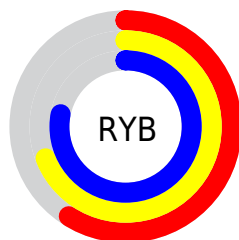
Distribution



Red (59%)

Green (78%)

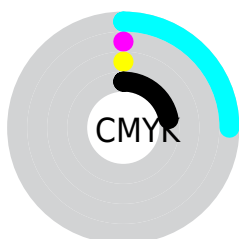
Blue (78%)



Red (59%)

Yellow (69%)

Blue (78%)

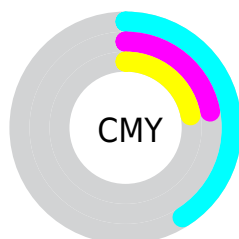


Cyan (25%)

Magenta (0%)

Yellow (0%)

Black (22%)



Cyan (41%)


Magenta (22%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 16.740, 198.176 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, 16.740, 198.176 by changing the saturation by 10% instead.


 77, 16.740,
198.176


 77, 16.740,
198.176


 100, 16.740,
198.176


 67, 16.740,
198.176


 97, 16.740,
198.176

 57, 16.740,
198.176

 47, 16.740,
198.176

 37, 16.740,
198.176

 27, 16.740,
198.176

 17, 16.740,
198.176

 7, 16.740, 198.176

0, 16.740, 198.176

77, 16.740,
198.176

77, 16.740,
198.176

76, 22.651,
197.729

78, 10.258,
198.675

75, 27.875,
197.348

80, 3.320, 199.312

74, 32.310,
197.030

81, 3.965, 19.567

83, 11.498, 20.244

74, 35.880,
196.777

85, 19.197, 20.869

73, 38.548,
196.590

85, 21.266, 21.034

85, 21.266, 21.032

73, 40.327,
196.466

85, 21.266, 21.030

73, 41.291,
196.399

85, 21.266, 21.029

73, 41.602,
196.377

Harmonies

Complementary

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



77, 16.740, 198.176



67, 19.723, 21.279

Rectangle

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



77, 16.740, 198.176



77, 16.740, 248.176



77, 16.740, 18.176



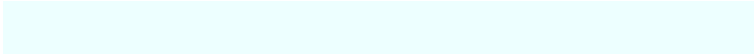
77, 16.740, 68.176

Sweetspot

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



77, 16.741, 198.171



99, 6.127, 199.120



76, 32.012, 142.406



53, 3.975, 199.079



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, 16.741, 198.171



95, 24.410, 197.907



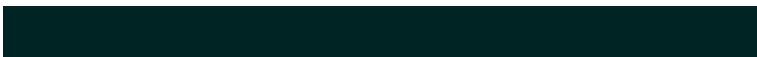
70, 15.302, 257.215



41, 4.034, 198.973



61, 35.890, 196.377



12, 12.984, 196.379

Inverse Universe

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



67, 19.723, 21.279



80, 30.038, 21.943



73, 16.463, 70.611



39, 4.279, 19.918



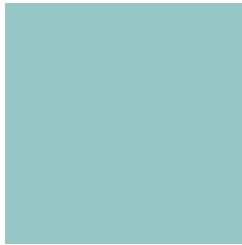
34, 74.642, 39.774



3, 15.885, 19.402

Previews

White Background



This preview shows how the CIELCh color 77, 16.740, 198.176 looks on a white background.

Color Contrast Check

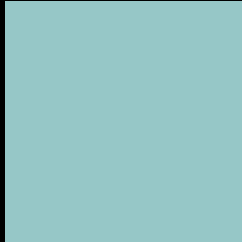
Large Text (above 18pt) WCAG AA × Fail

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, 16.740, 198.176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

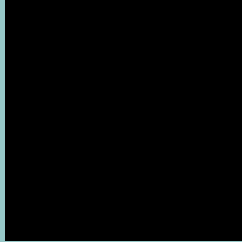
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

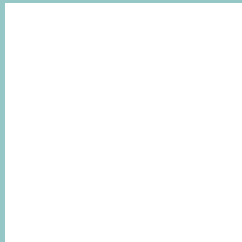
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 16.740, 198.176

Background



This preview shows how black text looks on a background with the CIELCh color 77, 16.740, 198.176.

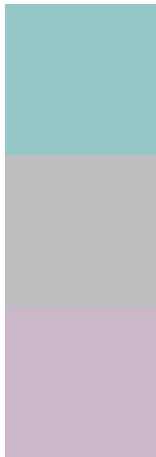


This preview shows how white text looks on a background with the CIELCh color 77, 16.740, 198.176.

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, 16.740, 198.176

Protanopia

77, 2.434, 317.304

Deuteranopia

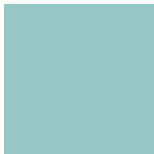
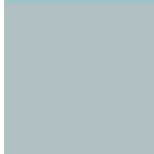

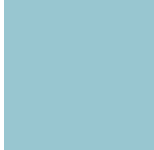
77, 11.744, 324.906




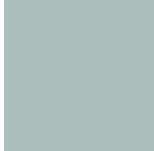
Tritanopia

77, 16.669, 229.714

Trichromacy

	Original Color 77, 16.740, 198.176
	Protanomaly 77, 5.824, 209.712
	Deuteranomaly 77, 6.373, 267.651
	Tritanomaly 77, 16.160, 217.887

Monochromacy

	Original Color 77, 16.740, 198.176
	Achromatopsia 75, 0.009, 296.813
	Achromatomaly 76, 6.492, 198.975

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 16.740, 198.176 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(150, 199, 199)` looks like.

```
.text, #text, p{  
    color:rgb(150, 199, 199)  
}
```

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(150, 199, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 199, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 16.740, 198.176 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(150, 199, 199) }
```

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

```
.border{ border-color:rgb(150, 199, 199) }
```

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

Here you see how a box with a 4 pixel rgb(150, 199, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 199, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 199, 199);  
box-shadow:4px 4px 4px 4px rgb(150, 199,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 16.740, 198.176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 199, 199) }
```

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

```
.background{ background-color: rgb(150,  
199, 199) }
```

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