

Converting Colors

CIELCh(77, 16.572, 194.441)

Have a look what the booklet for
CIELCh(77, 16.572, 194.441)
contains.

CIELCh(77, 16.572, 194.441)	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, 16.572, 194.441)

Conversions

Conversions Part 1

Format	Color
Hex	97C7C5
RGB	151, 199, 197
RGB Percent	59%, 78%, 77%
CMY	0.4074, 0.2191, 0.2270
CMYK	0.24, 0.00, 0.01, 0.22
HSL	177°, 30%, 69%
HSV	177°, 24%, 78%
XYZ	43.3291, 51.5317, 60.5606
YIQ	184.4200, -27.9660, -10.7980

Conversions

Conversions Part 2

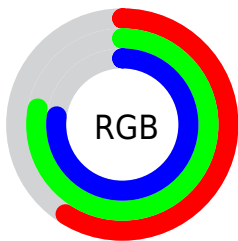
Format	Color
RYB	151, 176, 199
Decimal	9947077
CIELab	77.00, -16.05, -4.13
CIELCh	77, 16.572, 194.441
Yxy	51.5317, 0.2788, 0.3316
Android (android.graphics.Color)	4288137157 (0xFF97C7C5)
YUV	184.4200, 6.2019, -29.3093
Hunter-Lab	71.7856, -17.8839, 0.2310

Details

The CIELCh color **77, 16.572, 194.441** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **67, 19.210, 17.992**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 16.304, 196.611**, and **57, 16.457, 193.853** is the 20% darker color. If you saturate the color by 10%, you get **76, 22.632, 193.825**, and if you desaturate by 10%, it is **78, 9.980, 195.081**.

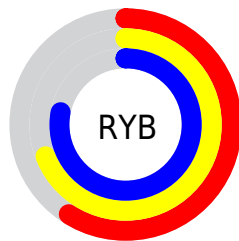
Distribution



Red (59%)

Green (78%)

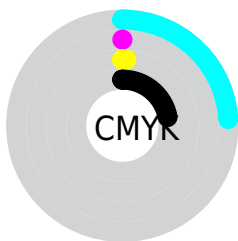
Blue (77%)



Red (59%)

Yellow (69%)

Blue (78%)

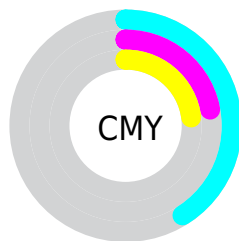


Cyan (24%)

Magenta (0%)

Yellow (1%)

Black (22%)



Cyan (41%)


Magenta (22%)

Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 16.572, 194.441 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, 16.572, 194.441 by changing the saturation by 10% instead.


 77, 16.572,
194.441


 77, 16.572,
194.441


 100, 16.572,
194.441


 67, 16.572,
194.441


 97, 16.572,
194.441

 57, 16.572,
194.441

 47, 16.572,
194.441

 37, 16.572,
194.441

 27, 16.572,
194.441

 17, 16.572,
194.441

 7, 16.572, 194.441

0, 16.572, 194.441

77, 16.572,
194.441

77, 16.572,
194.441

76, 22.632,
193.825

78, 9.980, 195.081

75, 28.039,
193.238

80, 2.972, 195.852

81, 4.344, 16.199

74, 32.686,
192.674

83, 11.871, 16.945

74, 36.488,
192.125

85, 19.530, 17.635

85, 21.194, 16.871

73, 39.395,
191.586

85, 21.194, 15.706

73, 41.410,
191.044

85, 21.203, 14.542

■ 73, 42.597,
190.488

■ 85, 21.222, 13.379

■ 73, 43.045,
190.155

Harmonies

Complementary

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



77, 16.572, 194.441



67, 19.210, 17.992

Rectangle

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



77, 16.572, 194.441



77, 16.572, 244.441



77, 16.572, 14.441



77, 16.572, 64.441

Sweetspot

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



77, 16.573, 194.436



99, 6.153, 195.581



76, 31.021, 141.619



53, 3.993, 195.533



0, 0.000, 0.000



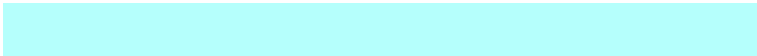
53, 0.007, 296.813

Same Dimension

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



77, 16.573, 194.436



95, 23.935, 194.108



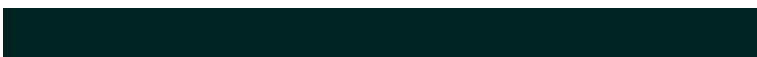
71, 14.586, 253.228



41, 4.054, 195.409



60, 37.115, 190.241



12, 13.319, 191.560

Inverse Universe

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



67, 19.210, 17.992



81, 28.769, 18.634



72, 15.884, 67.050



39, 4.280, 16.544



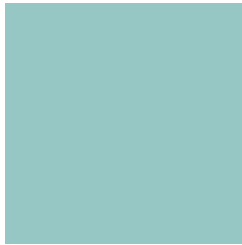
34, 72.980, 38.070



3, 15.904, 17.241

Previews

White Background



This preview shows how the CIELCh color 77, 16.572, 194.441 looks on a white background.

Color Contrast Check

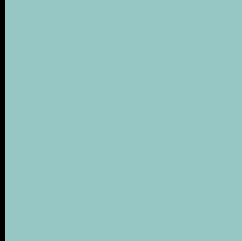
Large Text (above 18pt) WCAG AA × Fail

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, 16.572, 194.441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

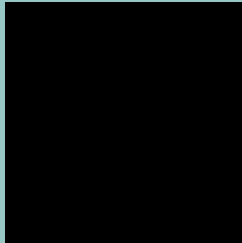
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

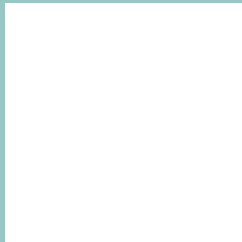
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 16.572, 194.441

Background



This preview shows how black text looks on a background with the CIELCh color 77, 16.572, 194.441.

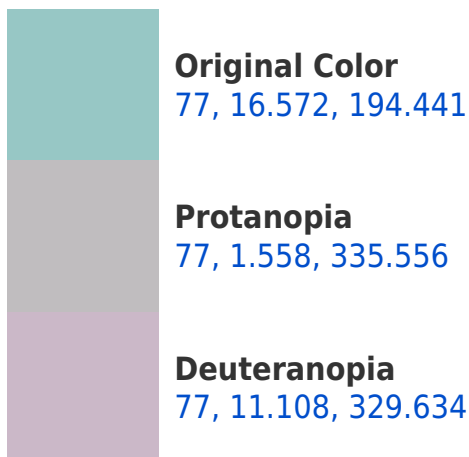


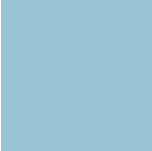
This preview shows how white text looks on a background with the CIELCh color 77, 16.572, 194.441.

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, 16.409, 230.280

Trichromacy



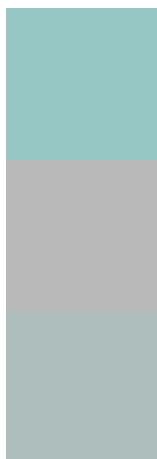
Original Color
77, 16.572, 194.441

Protanomaly
77, 5.771, 199.048

Deuteranomaly
77, 5.259, 266.460

Tritanomaly
77, 15.752, 216.343

Monochromacy



Original Color
77, 16.572, 194.441

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 6.188, 193.994

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 16.572, 194.441 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(151, 199, 197)` looks like.

```
.text, #text, p{  
    color:rgb(151, 199, 197)  
}
```

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(151, 199, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 199, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 16.572, 194.441 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(151, 199, 197) }
```

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

```
.border{ border-color:rgb(151, 199, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 199, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 199, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 199, 197); box-shadow:4px 4px 4px 4px rgb(151, 199, 197) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 16.572, 194.441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 199, 197) }
```

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

```
.background{ background-color: rgb(151,  
199, 197) }
```

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