

Converting Colors

CIELCh(76, 18.935, 155.060)

Have a look what the booklet for
CIELCh(76, 18.935, 155.060)
contains.

CIELCh(76, 18.897, 154.992)	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(76, 18.897, 154.992)

Conversions

Conversions Part 1

Format	Color
Hex	9FC4AC
RGB	159, 196, 172
RGB Percent	62%, 77%, 67%
CMY	0.3761, 0.2310, 0.3251
CMYK	0.19, 0.00, 0.12, 0.23
HSL	141°, 24%, 70%
HSV	141°, 19%, 77%
XYZ	41.5347, 49.8872, 46.5182
YIQ	182.2010, -14.3480, -15.3080

Conversions

Conversions Part 2

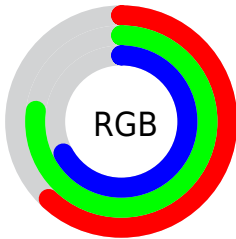
Format	Color
RYB	159, 186, 196
Decimal	10470572
CIELab	76.00, -17.13, 7.99
CIELCh	76, 18.897, 154.992
Yxy	49.8872, 0.3011, 0.3617
Android (android.graphics.Color)	4288660652 (0xFF9FC4AC)
YUV	182.2010, -5.0291, -20.3473
Hunter-Lab	70.6309, -18.6367, 10.3927

Details

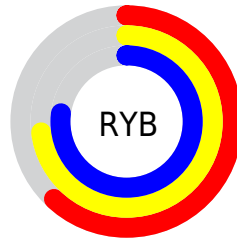
The CIELCh color **76, 18.897, 154.992** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **69, 19.102, 337.814**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 19.235, 154.514**, and **56, 18.675, 155.378** is the 20% darker color. If you saturate the color by 10%, you get **75, 28.868, 154.051**, and if you desaturate by 10%, it is **78, 8.860, 155.831**.

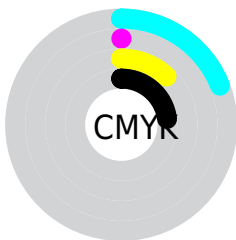
Distribution



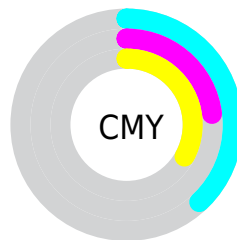
- Red (62%)
- Green (77%)
- Blue (67%)



- Red (62%)
- Yellow (73%)
- Blue (77%)



- Cyan (19%)
- Magenta (0%)
- Yellow (12%)
- Black (23%)





- Cyan (38%)
- Magenta (23%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 18.897, 154.992 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 76, 18.897, 154.992 by changing the saturation by 10% instead.


 76, 18.897,
154.992


 76, 18.897,
154.992


 100, 18.897,
154.992


 66, 18.897,
154.992


 96, 18.897,
154.992

 56, 18.897,
154.992

 46, 18.897,
154.992

 36, 18.897,
154.992

 26, 18.897,
154.992

 16, 18.897,
154.992

 6, 18.897, 154.992

0, 18.897, 154.992

76, 18.897,
154.992

76, 18.897,
154.992

75, 28.868,
154.051

78, 8.860, 155.831

73, 38.619,
152.978

79, 1.129, 336.205

72, 47.982,
151.749

81, 10.977,
337.126

71, 56.774,
150.343

83, 20.618,
337.716

71, 64.821,
148.744

85, 29.467,
337.126

70, 71.977,
146.951

86, 34.238,
328.991

86, 36.940,

■ 70, 78.151,
144.988

325.708

■ 69, 83.370,
142.951

■ 69, 83.923,
142.736

Harmonies

Complementary

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



76, 18.897, 154.992



69, 19.102, 337.814

Rectangle

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



76, 18.897, 154.992



76, 18.897, 204.992



76, 18.897, 334.992



76, 18.897, 24.992

Sweetspot

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



76, 18.899, 154.991



99, 7.404, 156.059



77, 20.331, 122.666



53, 4.913, 156.004



0, 0.000, 0.000



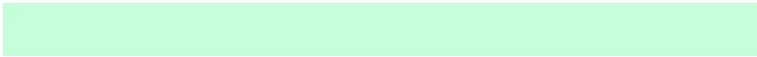
53, 0.007, 296.813

Same Dimension

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



76, 18.899, 154.991



95, 28.503, 154.584



76, 13.497, 185.571



40, 5.609, 155.791



58, 71.846, 143.071



10, 20.360, 151.436

Inverse Universe

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



69, 19.102, 337.814



85, 28.869, 338.178



69, 14.726, 8.935



38, 5.645, 337.070



35, 63.507, 348.546



3, 17.498, 343.305

Previews

White Background



This preview shows how the CIELCh color 76, 18.897, 154.992 looks on a white background.

Color Contrast Check

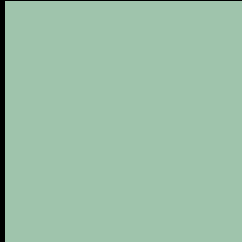
Large Text (above 18pt) WCAG AA × Fail

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 76, 18.897, 154.992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

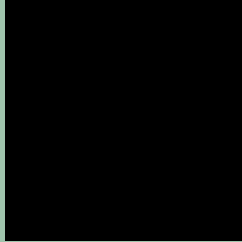
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

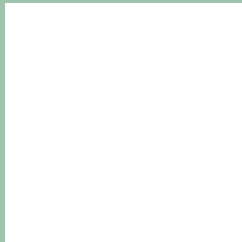
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 18.897, 154.992

Background



This preview shows how black text looks on a background with the CIELCh color 76, 18.897, 154.992.

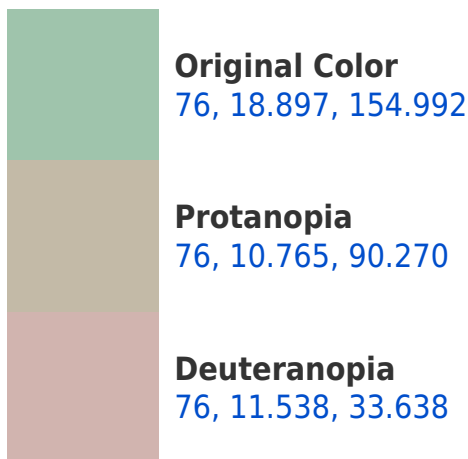


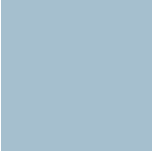
This preview shows how white text looks on a background with the CIELCh color 76, 18.897, 154.992.

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
76, 11.869, 242.002

Trichromacy



Original Color
76, 18.897, 154.992

Protanomaly
76, 11.680, 124.259

Deuteranomaly
76, 6.705, 93.033

Tritanomaly
76, 10.588, 201.568

Monochromacy



Original Color
76, 18.897, 154.992

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 6.890, 154.166

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 18.897, 154.992 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(159, 196, 172)` looks like.

```
.text, #text, p{  
    color:rgb(159, 196, 172)  
}
```

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(159, 196, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 196, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 18.897, 154.992 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(159, 196, 172) }
```

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

```
.border{ border-color:rgb(159, 196, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 196, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 196, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 196, 172);  
box-shadow:4px 4px 4px 4px rgb(159, 196,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 18.897, 154.992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 196, 172) }
```

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

```
.background{ background-color: rgb(159,  
196, 172) }
```

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