

Converting Colors

CIELCh(76, 18.673, 156.326)

Have a look what the booklet for
CIELCh(76, 18.673, 156.326)
contains.

CIELCh(76, 18.513, 156.159)	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, 18.513, 156.159)

Conversions

Conversions Part 1

Format	Color
Hex	9FC4AD
RGB	159, 196, 173
RGB Percent	62%, 77%, 68%
CMY	0.3763, 0.2312, 0.3214
CMYK	0.19, 0.00, 0.12, 0.23
HSL	143°, 24%, 70%
HSV	143°, 19%, 77%
XYZ	41.5978, 49.8872, 46.9882
YIQ	182.3150, -14.6690, -14.9970

Conversions

Conversions Part 2

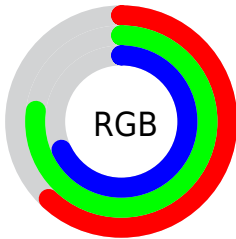
Format	Color
RYB	159, 186, 196
Decimal	10470573
CIELab	76.00, -16.93, 7.48
CIELCh	76, 18.513, 156.159
Yxy	49.8872, 0.3004, 0.3603
Android (android.graphics.Color)	4288660653 (0xFF9FC4AD)
YUV	182.3150, -4.5923, -20.4473
Hunter-Lab	70.6309, -18.4772, 9.9981

Details

The CIELCh color **76, 18.513, 156.159** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **69, 18.748, 339.055**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 18.868, 155.598**, and **56, 18.269, 156.643** is the 20% darker color. If you saturate the color by 10%, you get **75, 28.265, 155.202**, and if you desaturate by 10%, it is **78, 8.686, 157.015**.

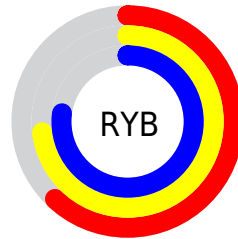
Distribution



Red (62%)

Green (77%)

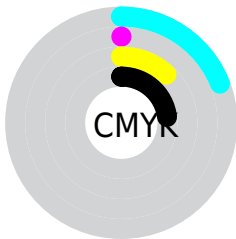
Blue (68%)



Red (62%)

Yellow (73%)

Blue (77%)

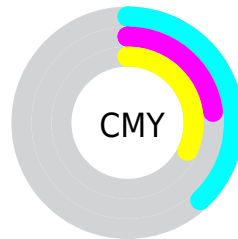


Cyan (19%)

Magenta (0%)

Yellow (12%)

Black (23%)



Cyan (38%)


Magenta (23%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 18.513, 156.159 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, 18.513, 156.159 by changing the saturation by 10% instead.


 76, 18.513,
156.159


 76, 18.513,
156.159


 100, 18.513,
156.159


 66, 18.513,
156.159


 96, 18.513,
156.159

 56, 18.513,
156.159

 46, 18.513,
156.159

 36, 18.513,
156.159

 26, 18.513,
156.159

 16, 18.513,
156.159

 6, 18.513, 156.159

■ 0, 18.513, 156.159

■ 76, 18.513,
156.159

■ 76, 18.513,
156.159

■ 75, 28.265,
155.202

■ 78, 8.686, 157.015

■ 73, 37.792,
154.115

■ 79, 1.103, 337.390

■ 72, 46.931,
152.873

■ 81, 10.762,
338.343

■ 71, 55.507,
151.453

■ 83, 20.225,
338.954

■ 71, 63.353,
149.838

■ 85, 28.918,
338.434

■ 70, 70.336,
148.024

■ 86, 33.380,
330.251

■ 86, 36.981,

■ 70, 76.378,
146.028

325.709

■ 69, 81.523,
143.940

■ 69, 82.071,
143.719

Harmonies

Complementary

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



76, 18.513, 156.159



69, 18.748, 339.055

Rectangle

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



76, 18.513, 156.159



76, 18.513, 206.159



76, 18.513, 336.159



76, 18.513, 26.159

Sweetspot

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



76, 18.515, 156.158



99, 7.258, 157.249



77, 20.394, 123.304



53, 4.816, 157.193



0, 0.000, 0.000



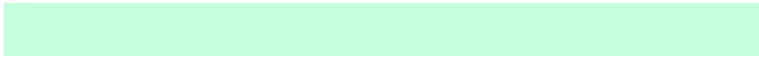
53, 0.007, 296.813

Same Dimension

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



76, 18.515, 156.158



95, 27.919, 155.744



76, 13.401, 186.941



40, 5.498, 156.975



58, 70.271, 144.062



10, 20.043, 152.196

Inverse Universe

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



69, 18.748, 339.055



85, 28.342, 339.434



69, 14.680, 10.229



38, 5.538, 338.286



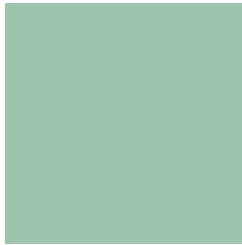
35, 62.615, 350.726



3, 17.138, 344.944

Previews

White Background



This preview shows how the CIELCh color 76, 18.513, 156.159 looks on a white background.

Color Contrast Check

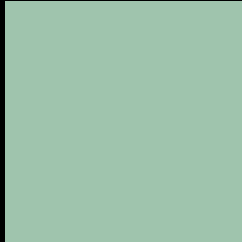
Large Text (above 18pt) WCAG AA × Fail

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, 18.513, 156.159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

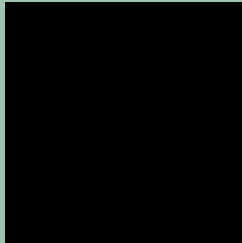
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

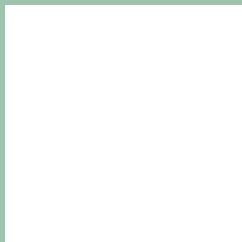
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 18.513, 156.159

Background



This preview shows how black text looks on a background with the CIELCh color 76, 18.513, 156.159.



This preview shows how white text looks on a background with the CIELCh color 76, 18.513, 156.159.

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

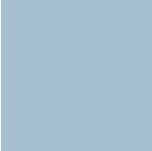
76, 18.513, 156.159

Protanopia

76, 10.256, 89.383

Deuteranopia

76, 11.399, 31.064



Tritanopia
76, 11.869, 242.002

Trichromacy



Original Color
76, 18.513, 156.159

Protanomaly
76, 11.164, 124.995

Deuteranomaly
76, 6.190, 91.702

Tritanomaly
76, 10.588, 201.568

Monochromacy



Original Color
76, 18.513, 156.159

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 6.511, 157.461

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 18.513, 156.159 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, 173)` looks like.

```
.text, #text, p{  
    color:rgb(159, 196, 173)  
}
```

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, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 196, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 18.513, 156.159 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, 173) }
```

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

```
.border{ border-color:rgb(159, 196, 173) }
```

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, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 196, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 196, 173);  
box-shadow:4px 4px 4px 4px rgb(159, 196,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 18.513, 156.159 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, 173) }
```

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

```
.background{ background-color: rgb(159,  
196, 173) }
```

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