

Converting Colors

CIELCh(76, 19.732, 157.004)

Have a look what the booklet for
CIELCh(76, 19.732, 157.004)
contains.

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Color

CIELCh(76, 19.668, 156.996)

Conversions

Conversions Part 1

Format	Color
Hex	9DC5AD
RGB	157, 197, 173
RGB Percent	62%, 77%, 68%
CMY	0.3858, 0.2290, 0.3231
CMYK	0.20, 0.00, 0.12, 0.23
HSL	144°, 26%, 69%
HSV	144°, 20%, 77%
XYZ	41.2141, 49.8872, 46.7989
YIQ	182.3040, -16.1360, -15.9440

Conversions

Conversions Part 2

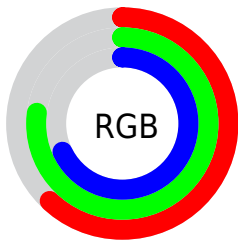
Format	Color
RYB	157, 186, 197
Decimal	10339757
CIELab	76.00, -18.10, 7.69
CIELCh	76, 19.668, 156.996
Yxy	49.8872, 0.2989, 0.3618
Android (android.graphics.Color)	4288529837 (0xFF9DC5AD)
YUV	182.3040, -4.5869, -22.1916
Hunter-Lab	70.6309, -19.4468, 10.1570

Details

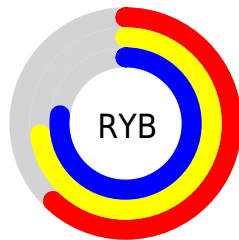
The CIELCh color **76, 19.668, 156.996** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **69, 19.969, 340.215**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 19.974, 156.459**, and **56, 19.478, 157.421** is the 20% darker color. If you saturate the color by 10%, you get **75, 29.247, 156.009**, and if you desaturate by 10%, it is **78, 9.987, 157.877**.

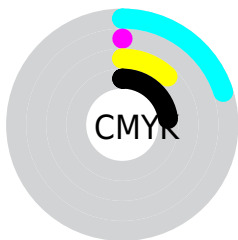
Distribution



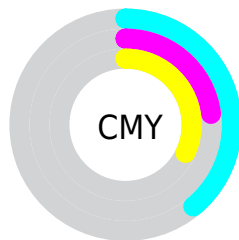
- Red (62%)
- Green (77%)
- Blue (68%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (12%)
- Black (23%)





- Cyan (39%)
- Magenta (23%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 19.668, 156.996 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, 19.668, 156.996 by changing the saturation by 10% instead.


 76, 19.668,
156.996


 76, 19.668,
156.996


 100, 19.668,
156.996


 66, 19.668,
156.996


 96, 19.668,
156.996

 56, 19.668,
156.996

 46, 19.668,
156.996

 36, 19.668,
156.996

 26, 19.668,
156.996

 16, 19.668,
156.996

 6, 19.668, 156.996

0, 19.668, 156.996

76, 19.668,
156.996

76, 19.668,
156.996

75, 29.247,
156.009

78, 9.987, 157.877

73, 38.573,
154.890

79, 0.320, 159.754

81, 9.238, 339.257

72, 47.483,
153.612

83, 18.618,
339.897

71, 55.808,
152.154

85, 27.771,
340.467

71, 63.390,
150.497

86, 31.952,
331.945

70, 70.111,
148.638

86, 36.621,
325.697

■ 70, 75.912,
146.595

■ 70, 80.740,
144.555

Harmonies

Complementary

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



76, 19.668, 156.996



69, 19.969, 340.215

Rectangle

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



76, 19.668, 156.996



76, 19.668, 206.996



76, 19.668, 336.996



76, 19.668, 26.996

Sweetspot

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



76, 19.670, 156.995



99, 7.144, 158.240



77, 22.171, 124.490



53, 4.740, 158.182



0, 0.000, 0.000



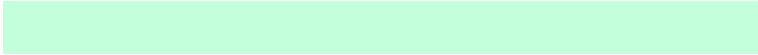
53, 0.007, 296.813

Same Dimension

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



76, 19.670, 156.995



95, 28.643, 156.612



77, 14.242, 189.619



41, 5.527, 157.958



59, 69.821, 144.879



11, 21.574, 152.172

Inverse Universe

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



69, 19.969, 340.215



85, 29.156, 340.569



68, 15.859, 13.000



39, 5.572, 339.300



35, 62.685, 352.582



4, 19.018, 346.794

Previews

White Background



This preview shows how the CIELCh color 76, 19.668, 156.996 looks on a white background.

Color Contrast Check

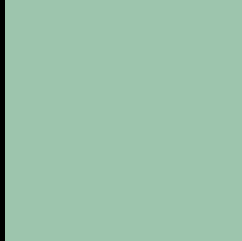
Large Text (above 18pt) WCAG AA × Fail

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, 19.668, 156.996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

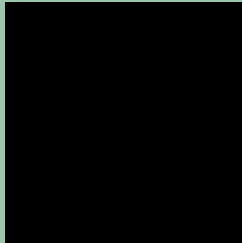
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 19.668, 156.996

Background



This preview shows how black text looks on a background with the CIELCh color 76, 19.668, 156.996.



This preview shows how white text looks on a background with the CIELCh color 76, 19.668, 156.996.

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](#).

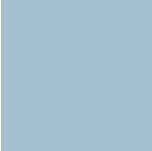
Dichromacy



Original Color
76, 19.668, 156.996

Protanopia
76, 10.765, 90.270

Deuteranopia
76, 11.399, 31.064



Tritanopia
76, 12.595, 238.906

Trichromacy



Original Color
76, 19.668, 156.996

Protanomaly
76, 11.791, 126.021

Deuteranomaly
76, 6.086, 95.135

Tritanomaly
76, 11.612, 198.555

Monochromacy



Original Color
76, 19.668, 156.996

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 6.790, 159.469

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 19.668, 156.996 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(157, 197, 173)` looks like.

```
.text, #text, p{  
    color:rgb(157, 197, 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(157, 197, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 197, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 19.668, 156.996 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(157, 197, 173) }
```

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

```
.border{ border-color:rgb(157, 197, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 197, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 197, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 197, 173);  
box-shadow:4px 4px 4px 4px rgb(157, 197,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 19.668, 156.996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 197, 173) }
```

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

```
.background{ background-color: rgb(157,  
197, 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](#).

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