

Converting Colors

CIELCh(76, 15.021, 153.655)

Have a look what the booklet for
CIELCh(76, 15.021, 153.655)
contains.

CIELCh(76, 14.642, 154.127)	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, 14.642, 154.127)

Conversions

Conversions Part 1

Format	Color
Hex	A6C2AF
RGB	166, 194, 175
RGB Percent	65%, 76%, 69%
CMY	0.3484, 0.2385, 0.3131
CMYK	0.14, 0.00, 0.10, 0.24
HSL	139°, 19%, 71%
HSV	139°, 14%, 76%
XYZ	42.8458, 49.8872, 48.0155
YIQ	183.4620, -10.5890, -11.8450

Conversions

Conversions Part 2

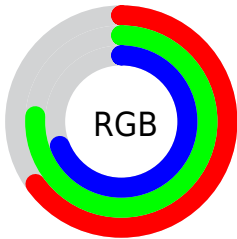
Format	Color
R _Y B	166, 187, 194
Decimal	10928815
CIE Lab	76.00, -13.17, 6.39
CIE LCh	76, 14.642, 154.127
Yxy	49.8872, 0.3044, 0.3544
Android (android.graphics.Color)	4289118895 (0xFFA6C2AF)
YUV	183.4620, -4.1718, -15.3142
Hunter-Lab	70.6309, -15.3233, 9.1358

Details

The CIELCh color **76, 14.642, 154.127** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **71, 14.751, 336.155**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 14.803, 154.805**, and **56, 14.183, 154.841** is the 20% darker color. If you saturate the color by 10%, you get **74, 24.818, 153.254**, and if you desaturate by 10%, it is **78, 4.467, 154.934**.

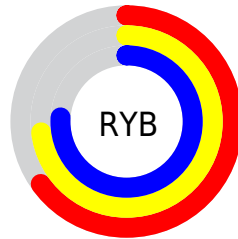
Distribution



Red (65%)

Green (76%)

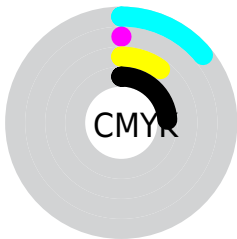
Blue (69%)



Red (65%)

Yellow (73%)

Blue (76%)

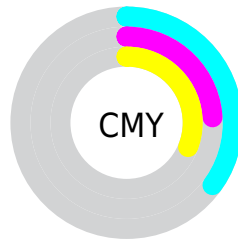


Cyan (14%)

Magenta (0%)

Yellow (10%)

Black (24%)



Cyan (35%)


Magenta (24%)


Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 14.642, 154.127 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, 14.642, 154.127 by changing the saturation by 10% instead.

 76, 14.642,
154.127

 76, 14.642,
154.127


 100, 14.642,
154.127


 66, 14.642,
154.127


 96, 14.642,
154.127

 56, 14.642,
154.127

 46, 14.642,
154.127

 36, 14.642,
154.127

 26, 14.642,
154.127

 16, 14.642,
154.127

 6, 14.642, 154.127

■ 0, 14.642, 154.127

■ 76, 14.642,
154.127

■ 76, 14.642,
154.127

■ 74, 24.818,
153.254

■ 78, 4.467, 154.934

■ 73, 34.850,
152.260

■ 80, 5.606, 335.464

■ 72, 44.576,
151.120

■ 82, 15.495,
336.093

■ 71, 53.811,
149.811

■ 84, 25.145,
336.630

■ 70, 62.366,
148.319

■ 85, 32.588,
333.146

■ 70, 70.069,
146.638

■ 86, 37.825,
326.094

■ 86, 38.146,

■ 69, 76.785,
144.784

325.749

■ 69, 82.442,
142.807

■ 69, 85.212,
141.742

Harmonies

Complementary

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



76, 14.642, 154.127



71, 14.751, 336.155

Rectangle

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



76, 14.642, 154.127



76, 14.642, 204.127



76, 14.642, 334.127



76, 14.642, 24.127

Sweetspot

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



76, 14.644, 154.126



98, 4.996, 154.966



77, 15.335, 121.630



53, 3.582, 154.899



0, 0.000, 0.000



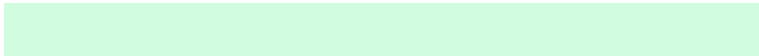
53, 0.007, 296.813

Same Dimension

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



76, 14.644, 154.126



96, 21.373, 153.888



76, 10.475, 183.309



40, 5.735, 154.533



58, 73.526, 142.050



10, 20.696, 150.661

Inverse Universe

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



71, 14.751, 336.155



88, 21.552, 336.370



71, 11.120, 5.868



38, 5.767, 335.777



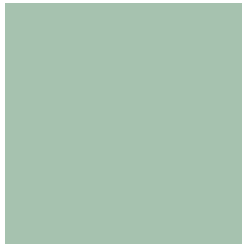
35, 64.613, 346.235



3, 17.930, 341.503

Previews

White Background



This preview shows how the CIELCh color 76, 14.642, 154.127 looks on a white background.

Color Contrast Check

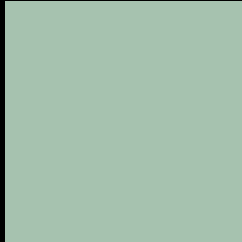
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 76, 14.642, 154.127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

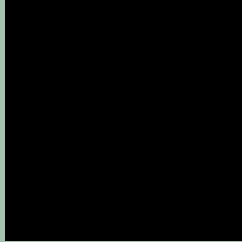
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

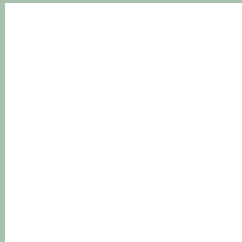
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 14.642, 154.127

Background



This preview shows how black text looks on a background with the CIELCh color 76, 14.642, 154.127.



This preview shows how white text looks on a background with the CIELCh color 76, 14.642, 154.127.

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](#).

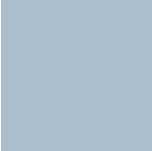
Dichromacy



Original Color
76, 14.642, 154.127

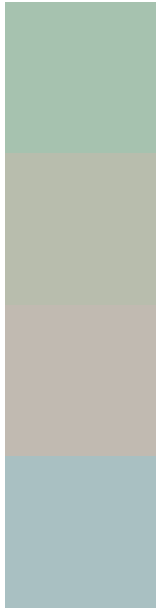
Protanopia
76, 8.605, 88.445

Deuteranopia
76, 10.494, 28.977



Tritanopia
76, 10.296, 250.974

Trichromacy



Original Color
76, 14.642, 154.127

Protanomaly
76, 8.800, 121.809

Deuteranomaly
76, 5.497, 80.778

Tritanomaly
76, 8.233, 206.381

Monochromacy



Original Color
76, 14.642, 154.127

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 5.318, 153.986

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 14.642, 154.127 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(166, 194, 175)` looks like.

```
.text, #text, p{  
    color:rgb(166, 194, 175)  
}
```

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(166, 194, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 194, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 14.642, 154.127 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(166, 194, 175) }
```

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

```
.border{ border-color:rgb(166, 194, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 194, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 194, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 194, 175);  
box-shadow:4px 4px 4px 4px rgb(166, 194,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 14.642, 154.127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 194, 175) }
```

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

```
.background{ background-color: rgb(166,  
194, 175) }
```

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