

Converting Colors

CIELCh(78, 15.868, 152.480)

Have a look what the booklet for
CIELCh(78, 15.868, 152.480)
contains.

CIELCh(78, 15.600, 152.319)	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(78, 15.600, 152.319)

Conversions

Conversions Part 1

Format	Color
Hex	ABC8B3
RGB	171, 200, 179
RGB Percent	67%, 78%, 70%
CMY	0.3295, 0.2157, 0.2981
CMYK	0.15, 0.00, 0.11, 0.22
HSL	137°, 21%, 73%
HSV	137°, 15%, 78%
XYZ	45.5775, 53.2120, 50.5089
YIQ	188.9350, -10.5430, -12.6790

Conversions

Conversions Part 2

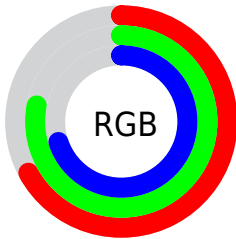
Format	Color
RYB	171, 194, 200
Decimal	11258035
CIELab	78.00, -13.81, 7.25
CIELCh	78, 15.600, 152.319
Yxy	53.2120, 0.3053, 0.3564
Android (android.graphics.Color)	4289448115 (0xFFABC8B3)
YUV	188.9350, -4.8980, -15.7290
Hunter-Lab	72.9466, -16.1284, 10.0096

Details

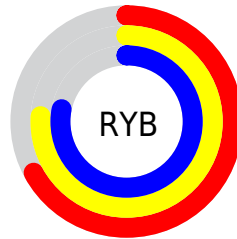
The CIELCh color **78, 15.600, 152.319** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **73, 15.690, 334.282**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 14.264, 152.964**, and **58, 15.601, 151.405** is the 20% darker color. If you saturate the color by 10%, you get **76, 26.397, 151.468**, and if you desaturate by 10%, it is **80, 4.814, 153.098**.

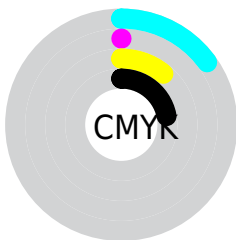
Distribution



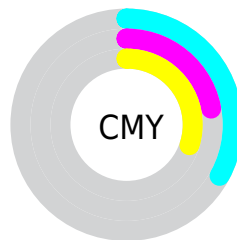
- Red (67%)
- Green (78%)
- Blue (70%)



- Red (67%)
- Yellow (76%)
- Blue (78%)



- Cyan (15%)
- Magenta (0%)
- Yellow (11%)
- Black (22%)





- Cyan (33%)
- Magenta (22%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 15.600, 152.319 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 78, 15.600, 152.319 by changing the saturation by 10% instead.


 78, 15.600,
152.319


 78, 15.600,
152.319


 100, 15.600,
152.319


 68, 15.600,
152.319


 98, 15.600,
152.319

 58, 15.600,
152.319

 48, 15.600,
152.319

 38, 15.600,
152.319

 28, 15.600,
152.319

 18, 15.600,
152.319

 8, 15.600, 152.319

0, 15.600, 152.319

78, 15.600,
152.319

78, 15.600,
152.319

76, 26.397,
151.468

80, 4.814, 153.098

75, 37.051,
150.494

82, 5.851, 333.613

74, 47.385,
149.372

84, 16.310,
334.213

73, 57.196,
148.084

86, 26.507,
334.720

72, 66.270,
146.616

87, 33.007,
327.477

71, 74.408,
144.972

87, 34.503,
325.624

■ 71, 81.443,
143.180

■ 71, 87.264,
141.303

■ 71, 90.002,
140.327

Harmonies

Complementary

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



78, 15.600, 152.319



73, 15.690, 334.282

Rectangle

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



78, 15.600, 152.319



78, 15.600, 202.319



78, 15.600, 332.319



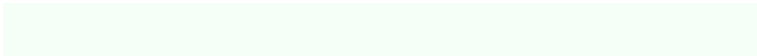
78, 15.600, 22.319

Sweetspot

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



78, 15.602, 152.318



99, 5.208, 153.136



79, 15.671, 119.671



53, 3.704, 153.071



0, 0.000, 0.000



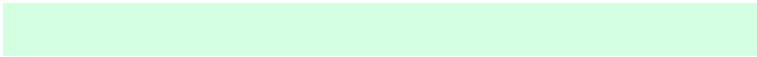
53, 0.007, 296.813

Same Dimension

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



78, 15.602, 152.318



96, 22.295, 152.096



78, 11.060, 179.459



41, 6.059, 152.717



58, 76.858, 140.627



11, 23.199, 148.883

Inverse Universe

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



73, 15.690, 334.282



89, 22.436, 334.478



73, 11.647, 2.126



39, 6.087, 333.917



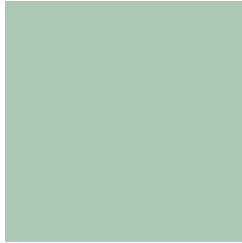
36, 67.271, 342.961



4, 20.997, 339.123

Previews

White Background



This preview shows how the CIELCh color 78, 15.600, 152.319 looks on a white background.

Color Contrast Check

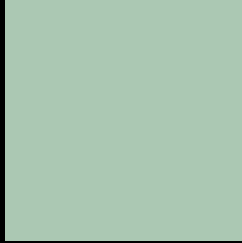
Large Text (above 18pt) WCAG AA × Fail

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 78, 15.600, 152.319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

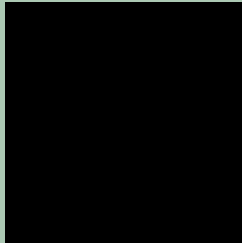
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

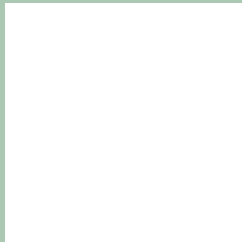
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 15.600, 152.319

Background



This preview shows how black text looks on a background with the CIELCh color 78, 15.600, 152.319.

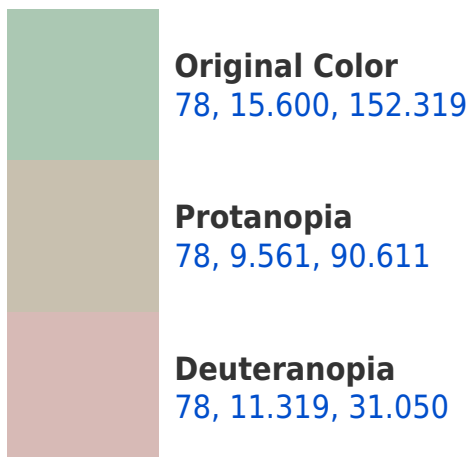



This preview shows how white text looks on a background with the CIELCh color 78, 15.600, 152.319.

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
78, 10.659, 252.874

Trichromacy



Original Color
78, 15.600, 152.319

Protanomaly
78, 10.396, 121.862

Deuteranomaly
78, 6.123, 80.002

Tritanomaly
78, 8.201, 206.389

Monochromacy



Original Color
78, 15.600, 152.319

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 5.941, 152.881

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 15.600, 152.319 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(171, 200, 179)` looks like.

```
.text, #text, p{  
    color:rgb(171, 200, 179)  
}
```

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(171, 200, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 200, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 15.600, 152.319 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(171, 200, 179) }
```

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

```
.border{ border-color:rgb(171, 200, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 200, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 200, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 200, 179);  
box-shadow:4px 4px 4px 4px rgb(171, 200,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 15.600, 152.319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 200, 179) }
```

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

```
.background{ background-color: rgb(171,  
200, 179) }
```

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