

Converting Colors

CIELCh(78, 12.892, 148.171)

Have a look what the booklet for
CIELCh(78, 12.892, 148.171)
contains.

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Color

CIELCh(78, 13.090, 147.730)

Conversions

Conversions Part 1

Format	Color
Hex	B1C7B4
RGB	177, 199, 180
RGB Percent	69%, 78%, 71%
CMY	0.3076, 0.2214, 0.2958
CMYK	0.11, 0.00, 0.10, 0.22
HSL	128°, 16%, 74%
HSV	128°, 11%, 78%
XYZ	46.5438, 53.2120, 50.7619
YIQ	190.2560, -7.0130, -10.5730

Conversions

Conversions Part 2

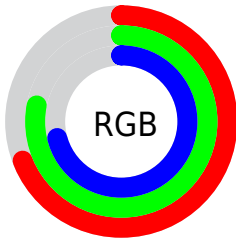
Format	Color
RYB	177, 196, 199
Decimal	11650996
CIELab	78.00, -11.07, 6.99
CIELCh	78, 13.090, 147.730
Yxy	53.2120, 0.3092, 0.3535
Android (android.graphics.Color)	4289841076 (0xFFB1C7B4)
YUV	190.2560, -5.0562, -11.6255
Hunter-Lab	72.9466, -13.7639, 9.8040

Details

The CIELCh color **78, 13.090, 147.730** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **74, 13.122, 329.035**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 12.474, 147.890**, and **58, 13.208, 147.714** is the 20% darker color. If you saturate the color by 10%, you get **76, 25.006, 146.979**, and if you desaturate by 10%, it is **80, 1.257, 148.573**.

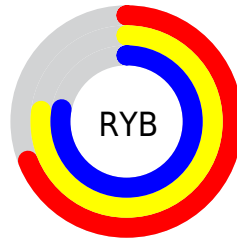
Distribution



Red (69%)

Green (78%)

Blue (71%)



Red (69%)

Yellow (77%)

Blue (78%)

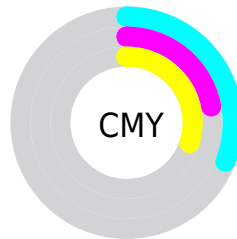


Cyan (11%)

Magenta (0%)

Yellow (10%)

Black (22%)



Cyan (31%)


Magenta (22%)


Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 13.090, 147.730 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, 13.090, 147.730 by changing the saturation by 10% instead.


 78, 13.090,
147.730


 78, 13.090,
147.730


 100, 13.090,
147.730


 68, 13.090,
147.730


 98, 13.090,
147.730

 58, 13.090,
147.730

 48, 13.090,
147.730

 38, 13.090,
147.730

 28, 13.090,
147.730

 18, 13.090,
147.730

 8, 13.090, 147.730

0, 13.090, 147.730

78, 13.090,
147.730

78, 13.090,
147.730

76, 25.006,
146.979

80, 1.257, 148.573

75, 36.841,
146.112

82, 10.384,
328.859

74, 48.394,
145.110

84, 21.751,
329.343

72, 59.419,
143.961

86, 32.593,
329.245

72, 69.633,
142.669

87, 35.404,
325.655

71, 78.728,
141.262

■ 70, 86.391,
139.802

■ 70, 92.331,
138.392

■ 70, 96.077,
137.341

Harmonies

Complementary

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



78, 13.090, 147.730



74, 13.122, 329.035

Rectangle

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



78, 13.090, 147.730



78, 13.090, 197.730



78, 13.090, 327.730



78, 13.090, 17.730

Sweetspot

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



78, 13.092, 147.730



99, 4.313, 148.306



79, 11.732, 114.568



53, 3.274, 148.239



0, 0.000, 0.000



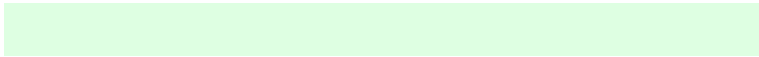
53, 0.007, 296.813

Same Dimension

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



78, 13.092, 147.730



97, 18.846, 147.579



78, 9.131, 170.552



41, 6.704, 147.848



58, 82.690, 137.530



11, 24.891, 146.028

Inverse Universe

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



74, 13.122, 329.035



92, 18.889, 329.166



74, 9.361, 352.494



39, 6.720, 328.930



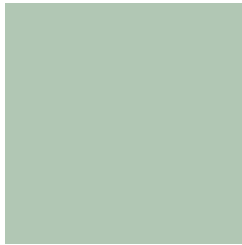
37, 74.450, 334.461



4, 23.752, 332.078

Previews

White Background



This preview shows how the CIELCh color 78, 13.090, 147.730 looks on a white background.

Color Contrast Check

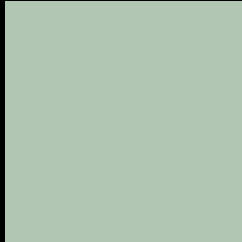
Large Text (above 18pt) WCAG AA × Fail

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, 13.090, 147.730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

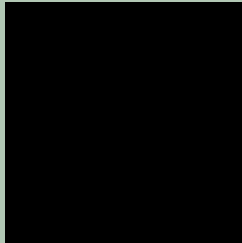
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 13.090, 147.730

Background



This preview shows how black text looks on a background with the CIELCh color 78, 13.090, 147.730.

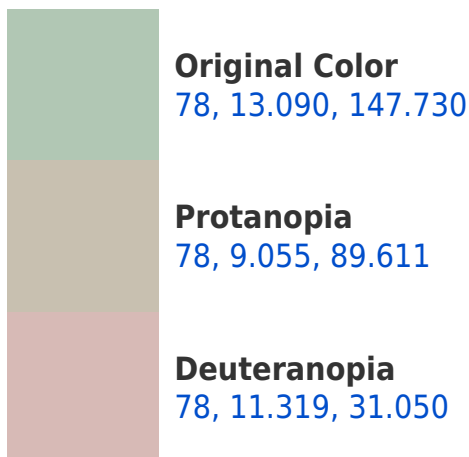


This preview shows how white text looks on a background with the CIELCh color 78, 13.090, 147.730.

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](#).

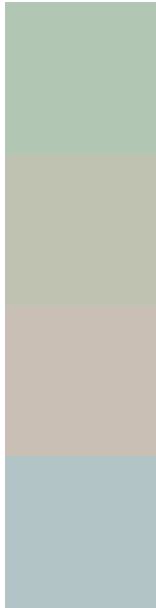
Dichromacy





Tritanopia
78, 9.601, 262.747

Trichromacy



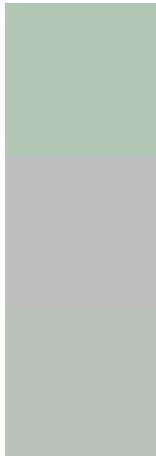
Original Color
78, 13.090, 147.730

Protanomaly
78, 9.144, 116.473

Deuteranomaly
78, 6.534, 74.158

Tritanomaly
78, 6.244, 213.988

Monochromacy



Original Color
78, 13.090, 147.730

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 4.799, 147.857

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 13.090, 147.730 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(177, 199, 180)` looks like.

```
.text, #text, p{  
    color:rgb(177, 199, 180)  
}
```

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(177, 199, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 199, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 13.090, 147.730 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(177, 199, 180) }
```

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

```
.border{ border-color:rgb(177, 199, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 199, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 199, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 199, 180);  
box-shadow:4px 4px 4px 4px rgb(177, 199,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 13.090, 147.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 199, 180) }
```

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

```
.background{ background-color: rgb(177,  
199, 180) }
```

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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