

Converting Colors

CIELCh(73, 15.001, 116.671)

Have a look what the booklet for
CIELCh(73, 15.001, 116.671)
contains.

CIELCh(73, 14.696, 116.398)	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(73, 14.696, 116.398)

Conversions

Conversions Part 1

Format	Color
Hex	B1B69B
RGB	177, 182, 155
RGB Percent	69%, 71%, 61%
CMY	0.3059, 0.2863, 0.3922
CMYK	0.03, 0.00, 0.15, 0.29
HSL	71°, 16%, 66%
HSV	71°, 15%, 71%
XYZ	40.7711, 45.1644, 37.5751
YIQ	177.4270, 5.6870, -9.4570

Conversions

Conversions Part 2

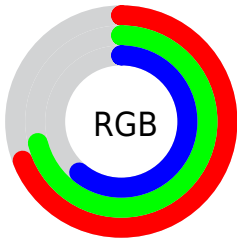
Format	Color
RYB	155, 182, 160
Decimal	11646619
CIELab	73.00, -6.53, 13.16
CIELCh	73, 14.696, 116.398
Yxy	45.1644, 0.3301, 0.3657
Android (android.graphics.Color)	4289836699 (0xFFB1B69B)
YUV	177.4270, -11.0565, -0.3745
Hunter-Lab	67.2044, -9.3167, 13.8931

Details

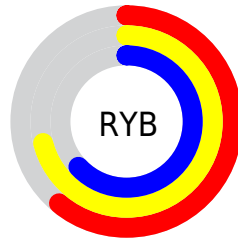
The CIELCh color **73, 14.696, 116.398** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **65, 15.169, 298.545**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 14.999, 116.055**, and **53, 14.501, 116.723** is the 20% darker color. If you saturate the color by 10%, you get **72, 24.515, 115.700**, and if you desaturate by 10%, it is **74, 4.794, 117.098**.

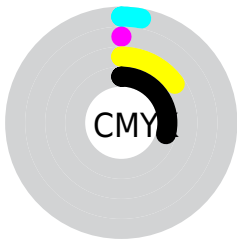
Distribution



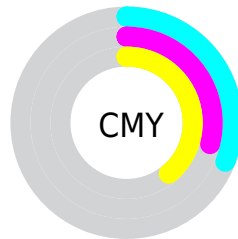
- Red (69%)
- Green (71%)
- Blue (61%)



- Red (61%)
- Yellow (71%)
- Blue (63%)



- Cyan (3%)
- Magenta (0%)
- Yellow (15%)
- Black (29%)





- Cyan (31%)
- Magenta (29%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 14.696, 116.398 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 73, 14.696, 116.398 by changing the saturation by 10% instead.


 73, 14.696,
116.398


 73, 14.696,
116.398


 100, 14.696,
116.398


 63, 14.696,
116.398


 93, 14.696,
116.398

 53, 14.696,
116.398

 43, 14.696,
116.398

 33, 14.696,
116.398

 23, 14.696,
116.398

 13, 14.696,
116.398

 3, 14.696, 116.398

■ 0, 14.696, 116.398

■ 73, 14.696,
116.398

■ 73, 14.696,
116.398

■ 72, 24.515,
115.700

■ 74, 4.794, 117.098

■ 72, 34.158,
115.008

■ 74, 5.137, 297.770

■ 71, 43.498,
114.353

■ 75, 15.055,
298.417

■ 71, 52.336,
113.776

■ 76, 24.930,
299.031

■ 70, 60.384,
113.331

■ 77, 34.740,
299.609

■ 70, 67.248,
113.094

■ 78, 39.629,
300.668

■ 78, 39.770,

■ 70, 72.475,
113.151

302.229

■ 69, 75.728,
113.578

■ 78, 39.938,
303.790

■ 69, 76.937,
113.881

■ 78, 40.133,
305.350

Harmonies

Complementary

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



73, 14.696, 116.398



65, 15.169, 298.545

Rectangle

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



73, 14.696, 116.398



73, 14.696, 166.398



73, 14.696, 296.398



73, 14.696, 346.398

Sweetspot

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



73, 14.698, 116.403



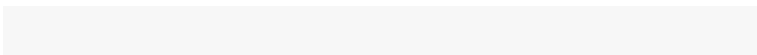
93, 4.915, 117.151



68, 9.114, 37.384



50, 3.522, 117.099



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



73, 14.698, 116.403



92, 22.090, 116.159



72, 16.303, 134.569



39, 5.657, 116.786



60, 68.481, 113.757



9, 15.586, 120.183

Inverse Universe

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



65, 15.169, 298.545



80, 22.970, 298.844



66, 16.501, 315.812



36, 5.774, 298.102



19, 91.159, 307.224



1, 15.472, 295.646

Previews

White Background



This preview shows how the CIELCh color 73, 14.696, 116.398 looks on a white background.

Color Contrast Check

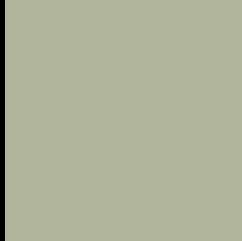
Large Text (above 18pt) WCAG AA × Fail

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 73, 14.696, 116.398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

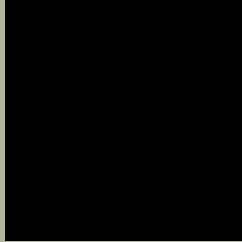
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

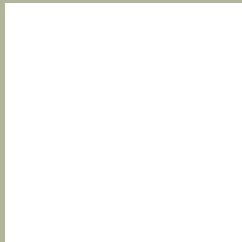
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 14.696, 116.398

Background



This preview shows how black text looks on a background with the CIELCh color 73, 14.696, 116.398.



This preview shows how white text looks on a background with the CIELCh color 73, 14.696, 116.398.

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


73, 14.696, 116.398

Protanopia

73, 14.481, 94.519

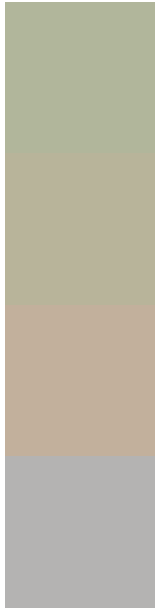
Deuteranopia

73, 15.212, 52.298



Tritanopia
73, 7.853, 304.310

Trichromacy



Original Color
73, 14.696, 116.398

Protanomaly
73, 14.112, 102.380

Deuteranomaly
73, 12.988, 75.743

Tritanomaly
73, 0.648, 74.763

Monochromacy



Original Color
73, 14.696, 116.398

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 5.472, 117.625

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 14.696, 116.398 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, 182, 155)` looks like.

```
.text, #text, p{  
    color:rgb(177, 182, 155)  
}
```

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, 182, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 182, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 14.696, 116.398 is called "border". The border property can be set on classes, ids or directly on the HTML element.

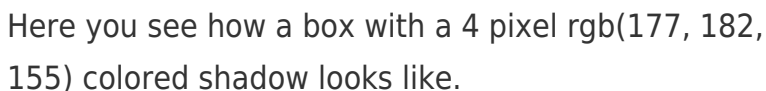
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 182, 155) }
```

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

```
.border{ border-color:rgb(177, 182, 155) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 182, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 182, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 182, 155);  
box-shadow:4px 4px 4px 4px rgb(177, 182,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 14.696, 116.398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 182, 155) }
```

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

```
.background{ background-color: rgb(177,  
182, 155) }
```

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