

Converting Colors

CIELCh(77, 13.005, 155.968)

Have a look what the booklet for
CIELCh(77, 13.005, 155.968)
contains.

CIELCh(77, 12.671, 155.886)	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(77, 12.671, 155.886)

Conversions

Conversions Part 1

Format	Color
Hex	ABC4B4
RGB	171, 196, 180
RGB Percent	67%, 77%, 71%
CMY	0.3288, 0.2307, 0.2935
CMYK	0.13, 0.00, 0.08, 0.23
HSL	142°, 18%, 72%
HSV	142°, 13%, 77%
XYZ	44.8612, 51.5317, 50.8484
YIQ	186.7010, -9.7640, -10.2760

Conversions

Conversions Part 2

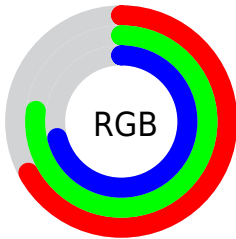
Format	Color
RYB	171, 189, 196
Decimal	11257012
CIELab	77.00, -11.57, 5.18
CIElCh	77, 12.671, 155.886
Yxy	51.5317, 0.3047, 0.3500
Android (android.graphics.Color)	4289447092 (0xFFABC4B4)
YUV	186.7010, -3.3036, -13.7698
Hunter-Lab	71.7856, -14.0743, 8.2527

Details

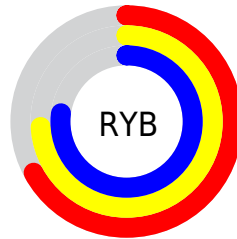
The CIELCh color **77, 12.671, 155.886** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **73, 12.778, 337.717**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 12.934, 156.499**, and **57, 12.494, 155.109** is the 20% darker color. If you saturate the color by 10%, you get **75, 22.636, 155.006**, and if you desaturate by 10%, it is **79, 2.714, 156.750**.

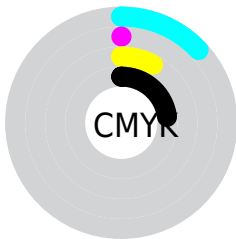
Distribution



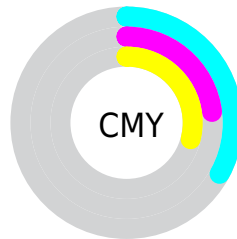
- Red (67%)
- Green (77%)
- Blue (71%)



- Red (67%)
- Yellow (74%)
- Blue (77%)



- Cyan (13%)
- Magenta (0%)
- Yellow (8%)
- Black (23%)



- Cyan (33%)
- Magenta (23%)
- Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 12.671, 155.886 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 77, 12.671, 155.886 by changing the saturation by 10% instead.

 77, 12.671,
155.886

 77, 12.671,
155.886


 100, 12.671,
155.886

 67, 12.671,
155.886


 97, 12.671,
155.886

 57, 12.671,
155.886

 47, 12.671,
155.886

 37, 12.671,
155.886

 27, 12.671,
155.886

 17, 12.671,
155.886

 7, 12.671, 155.886

0, 12.671, 155.886

77, 12.671,
155.886

77, 12.671,
155.886

75, 22.636,
155.006

79, 2.714, 156.750

74, 32.472,
154.012

81, 7.139, 337.249

73, 42.026,
152.878

83, 16.811,
337.884

72, 51.122,
151.578

85, 26.250,
338.438

71, 59.581,
150.093

86, 32.057,
332.183

70, 67.240,
148.412

86, 36.899,
325.706

■ 70, 73.976,
146.541

■ 70, 79.728,
144.512

■ 69, 83.368,
143.041

Harmonies

Complementary

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



77, 12.671, 155.886



73, 12.778, 337.717

Rectangle

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



77, 12.671, 155.886



77, 12.671, 205.886



77, 12.671, 335.886



77, 12.671, 25.886

Sweetspot

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



77, 12.673, 155.884



99, 4.897, 156.613



78, 13.747, 123.000



53, 3.482, 156.543



0, 0.000, 0.000



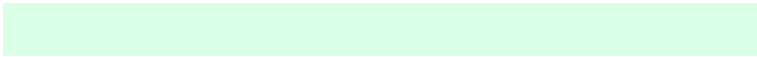
53, 0.007, 296.813

Same Dimension

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



77, 12.673, 155.884



97, 18.463, 155.675



77, 9.228, 186.120



40, 5.573, 156.164



58, 71.350, 143.379



10, 20.260, 151.672

Inverse Universe

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



73, 12.778, 337.717



90, 18.638, 337.913



72, 9.777, 8.256



38, 5.611, 337.452



35, 63.212, 349.231



3, 17.380, 343.827

Previews

White Background



This preview shows how the CIELCh color 77, 12.671, 155.886 looks on a white background.

Color Contrast Check

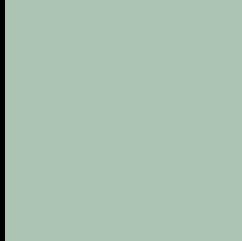
Large Text (above 18pt) WCAG AA × Fail

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 77, 12.671, 155.886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

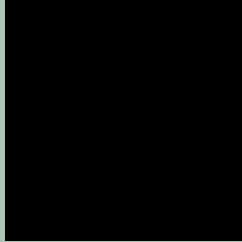
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

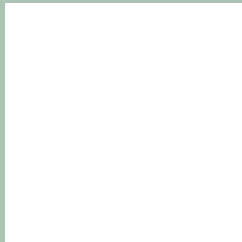
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 12.671, 155.886

Background



This preview shows how black text looks on a background with the CIELCh color 77, 12.671, 155.886.



This preview shows how white text looks on a background with the CIELCh color 77, 12.671, 155.886.

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](#).

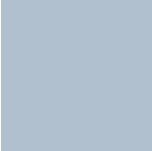
Dichromacy



Original Color
77, 12.671, 155.886

Protanopia
77, 7.437, 88.468

Deuteranopia
77, 10.669, 20.238



Tritanopia
77, 9.683, 255.703

Trichromacy



Original Color
77, 12.671, 155.886

Protanomaly
77, 7.734, 123.565

Deuteranomaly
77, 4.658, 63.033

Tritanomaly
77, 7.266, 211.789

Monochromacy



Original Color
77, 12.671, 155.886

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 4.296, 160.495

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 12.671, 155.886 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, 196, 180)` looks like.

```
.text, #text, p{  
    color:rgb(171, 196, 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(171, 196, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 196, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 12.671, 155.886 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, 196, 180) }
```

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

```
.border{ border-color:rgb(171, 196, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 196, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 196, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 196, 180);  
box-shadow:4px 4px 4px 4px rgb(171, 196,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 12.671, 155.886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 196, 180) }
```

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

```
.background{ background-color: rgb(171,  
196, 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](#).

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