

Converting Colors

CIELCh(77, 21.500, 149.574)

Have a look what the booklet for
CIELCh(77, 21.500, 149.574)
contains.

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Color

CIELCh(77, 21.500, 149.574)

Conversions

Conversions Part 1

Format	Color
Hex	A1C7A9
RGB	161, 199, 169
RGB Percent	63%, 78%, 66%
CMY	0.3671, 0.2180, 0.3357
CMYK	0.19, 0.00, 0.15, 0.22
HSL	133°, 25%, 71%
HSV	133°, 19%, 78%
XYZ	42.4932, 51.5317, 45.4377
YIQ	184.2180, -13.0180, -17.3860

Conversions

Conversions Part 2

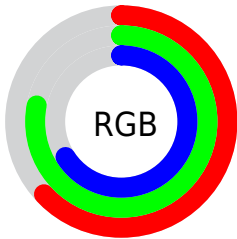
Format	Color
RYB	161, 192, 199
Decimal	10602409
CIELab	77.00, -18.54, 10.89
CIELCh	77, 21.500, 149.574
Yxy	51.5317, 0.3047, 0.3695
Android (android.graphics.Color)	4288792489 (0xFFFA1C7A9)
YUV	184.2180, -7.5025, -20.3622
Hunter-Lab	71.7856, -19.9625, 12.7215

Details

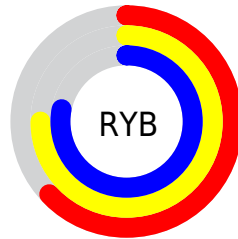
The CIELCh color **77, 21.500, 149.574** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **71, 21.593, 332.094**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 21.121, 149.670**, and **57, 21.421, 149.547** is the 20% darker color. If you saturate the color by 10%, you get **75, 32.778, 148.702**, and if you desaturate by 10%, it is **79, 10.179, 150.337**.

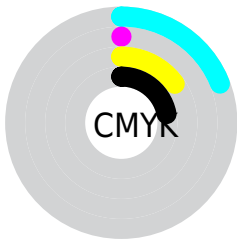
Distribution



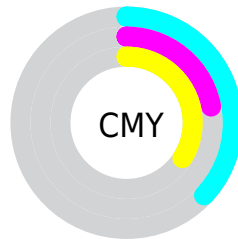
- Red (63%)
- Green (78%)
- Blue (66%)



- Red (63%)
- Yellow (75%)
- Blue (78%)



- Cyan (19%)
- Magenta (0%)
- Yellow (15%)
- Black (22%)





- Cyan (37%)
- Magenta (22%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 21.500, 149.574 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, 21.500, 149.574 by changing the saturation by 10% instead.


 77, 21.500,
149.574


 77, 21.500,
149.574


 100, 21.500,
149.574


 67, 21.500,
149.574


 97, 21.500,
149.574

 57, 21.500,
149.574

 47, 21.500,
149.574

 37, 21.500,
149.574

 27, 21.500,
149.574

 17, 21.500,
149.574

 7, 21.500, 149.574

■ 0, 21.500, 149.574

■ 77, 21.500,
149.574

■ 77, 21.500,
149.574

■ 75, 32.778,
148.702

■ 79, 10.179,
150.337

■ 74, 43.832,
147.695

■ 81, 1.053, 330.657

■ 73, 54.452,
146.535

■ 83, 12.092,
331.488

■ 72, 64.404,
145.210

■ 85, 22.868,
331.991

■ 71, 73.438,
143.727

■ 87, 32.044,
329.301

■ 71, 81.319,
142.112

■ 87, 34.866,
325.637

■ 71, 87.840,
140.431

■ 70, 92.896,
138.828

■ 70, 93.308,
138.700

Harmonies

Complementary

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



77, 21.500, 149.574



71, 21.593, 332.094

Rectangle

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



77, 21.500, 149.574



77, 21.500, 199.574



77, 21.500, 329.574



77, 21.500, 19.574

Sweetspot

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



77, 21.502, 149.574



99, 8.209, 150.554



79, 20.351, 116.699



52, 5.448, 150.506



0, 0.000, 0.000



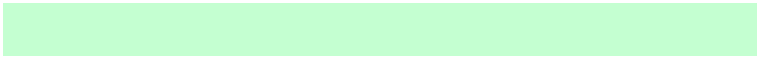
53, 0.007, 296.813

Same Dimension

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



77, 21.502, 149.574



95, 31.689, 149.217



77, 15.003, 174.185



41, 6.356, 150.314



58, 79.930, 138.954



11, 23.986, 147.494

Inverse Universe

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



71, 21.593, 332.094



86, 31.835, 332.381



70, 15.848, 357.863



39, 6.378, 331.452



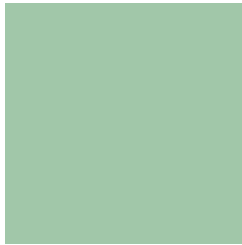
37, 70.424, 338.679



4, 22.239, 335.547

Previews

White Background



This preview shows how the CIELCh color 77, 21.500, 149.574 looks on a white background.

Color Contrast Check

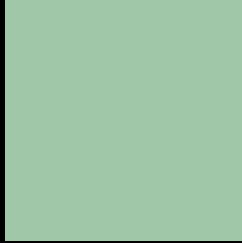
Large Text (above 18pt) WCAG AA × Fail

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, 21.500, 149.574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

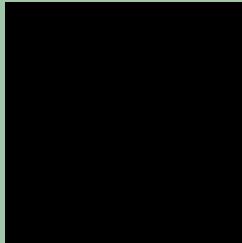
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

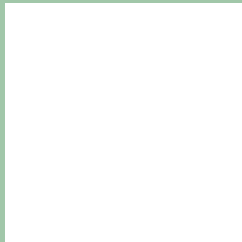
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 21.500, 149.574

Background



This preview shows how black text looks on a background with the CIELCh color 77, 21.500, 149.574.

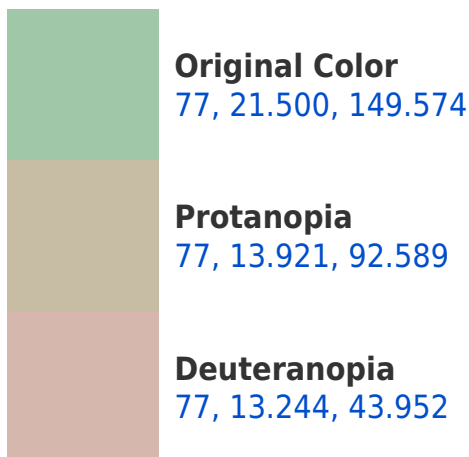


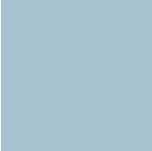
This preview shows how white text looks on a background with the CIELCh color 77, 21.500, 149.574.

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
77, 11.843, 241.966

Trichromacy



Original Color
77, 21.500, 149.574

Protanomaly
77, 14.753, 120.864

Deuteranomaly
77, 9.373, 95.079

Tritanomaly
77, 10.640, 195.731

Monochromacy



Original Color
77, 21.500, 149.574

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 7.924, 150.597

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 21.500, 149.574 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(161, 199, 169)` looks like.

```
.text, #text, p{  
    color:rgb(161, 199, 169)  
}
```

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(161, 199, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 199, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 21.500, 149.574 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(161, 199, 169) }
```

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

```
.border{ border-color:rgb(161, 199, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 199, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 199, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 199, 169);  
box-shadow:4px 4px 4px 4px rgb(161, 199,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 21.500, 149.574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 199, 169) }
```

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

```
.background{ background-color: rgb(161,  
199, 169) }
```

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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