

Converting Colors

CIELCh(77, 21.668, 143.416)

Have a look what the booklet for
CIELCh(77, 21.668, 143.416)
contains.

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Color

CIELCh(77, 21.647, 143.421)

Conversions

Conversions Part 1

Format	Color
Hex	A6C7A6
RGB	166, 199, 166
RGB Percent	65%, 78%, 65%
CMY	0.3501, 0.2207, 0.3501
CMYK	0.17, 0.00, 0.17, 0.22
HSL	120°, 23%, 71%
HSV	120°, 17%, 78%
XYZ	42.8798, 51.5317, 43.6272
YIQ	185.3710, -9.0750, -17.2590

Conversions

Conversions Part 2

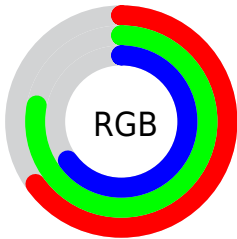
Format	Color
RYB	166, 199, 199
Decimal	10930086
CIELab	77.00, -17.38, 12.90
CIELCh	77, 21.647, 143.421
Yxy	51.5317, 0.3106, 0.3733
Android (android.graphics.Color)	4289120166 (0xFFA6C7A6)
YUV	185.3710, -9.5499, -16.9884
Hunter-Lab	71.7856, -19.0013, 14.2168

Details

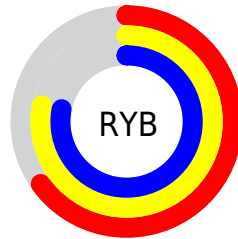
The CIELCh color **77, 21.647, 143.421** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **72, 21.668, 325.337**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 21.257, 143.636**, and **57, 21.584, 143.104** is the 20% darker color. If you saturate the color by 10%, you get **75, 34.728, 142.647**, and if you desaturate by 10%, it is **79, 8.559, 144.095**.

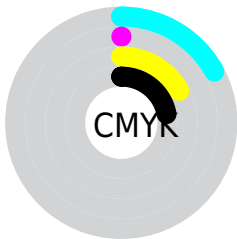
Distribution



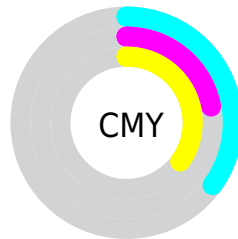
- Red (65%)
- Green (78%)
- Blue (65%)



- Red (65%)
- Yellow (78%)
- Blue (78%)



- Cyan (17%)
- Magenta (0%)
- Yellow (17%)
- Black (22%)





- Cyan (35%)
- Magenta (22%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 21.647, 143.421 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, 21.647, 143.421 by changing the saturation by 10% instead.


 77, 21.647,
143.421


 77, 21.647,
143.421


 100, 21.647,
143.421


 67, 21.647,
143.421


 97, 21.647,
143.421

 57, 21.647,
143.421

 47, 21.647,
143.421

 37, 21.647,
143.421

 27, 21.647,
143.421

 17, 21.647,
143.421

 7, 21.647, 143.421

0, 21.647, 143.421

77, 21.647,
143.421

77, 21.647,
143.421

75, 34.728,
142.647

79, 8.559, 144.095

74, 47.571,
141.754

81, 4.375, 324.562

73, 59.880,
140.743

83, 17.041,
325.076

72, 71.284,
139.639

85, 29.366,
325.479

71, 81.330,
138.506

87, 35.304,
325.652

71, 89.502,
137.453

■ 70, 95.300,
136.625

■ 70, 98.487,
136.139

■ 70, 99.269,
136.016

Harmonies

Complementary

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



77, 21.647, 143.421



72, 21.668, 325.337

Rectangle

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



77, 21.647, 143.421



77, 21.647, 193.421



77, 21.647, 323.421



77, 21.647, 13.421

Sweetspot

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



77, 21.649, 143.421



99, 7.923, 144.196



79, 17.474, 108.581



53, 5.409, 144.149



0, 0.000, 0.000



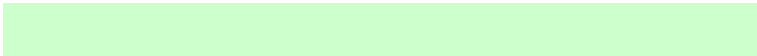
53, 0.007, 296.813

Same Dimension

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



77, 21.649, 143.421



95, 31.960, 143.149



77, 15.026, 162.245



41, 7.371, 143.915



58, 85.775, 136.016



11, 26.596, 143.592

Inverse Universe

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



72, 21.668, 325.337



88, 31.982, 325.539



71, 15.342, 345.057



39, 7.382, 324.933



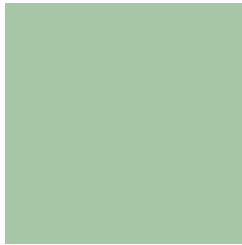
39, 82.756, 328.235



4, 26.741, 327.028

Previews

White Background



This preview shows how the CIELCh color 77, 21.647, 143.421 looks on a white background.

Color Contrast Check

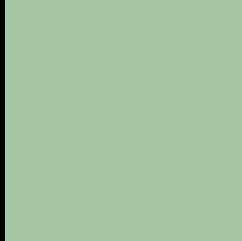
Large Text (above 18pt) WCAG AA × Fail

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, 21.647, 143.421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

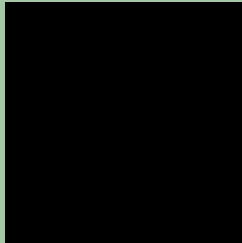
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 21.647, 143.421

Background



This preview shows how black text looks on a background with the CIELCh color 77, 21.647, 143.421.



This preview shows how white text looks on a background with the CIELCh color 77, 21.647, 143.421.

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](#).

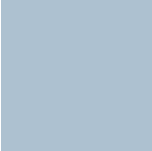
Dichromacy



Original Color
77, 21.647, 143.421

Protanopia
77, 15.576, 92.619

Deuteranopia
77, 15.042, 49.940



Tritanopia
77, 10.482, 249.488

Trichromacy



Original Color
77, 21.647, 143.421

Protanomaly
77, 16.119, 115.591

Deuteranomaly
77, 11.753, 91.826

Tritanomaly
77, 9.023, 191.905

Monochromacy



Original Color
77, 21.647, 143.421

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 7.890, 144.114

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 21.647, 143.421 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(166, 199, 166)` looks like.

```
.text, #text, p{  
    color:rgb(166, 199, 166)  
}
```

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(166, 199, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 199, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 21.647, 143.421 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(166, 199, 166) }
```

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

```
.border{ border-color:rgb(166, 199, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 199, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 199, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 199, 166);  
box-shadow:4px 4px 4px 4px rgb(166, 199,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 21.647, 143.421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 199, 166) }
```

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

```
.background{ background-color: rgb(166,  
199, 166) }
```

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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