

Converting Colors

CIELCh(77, 13.613, 154.237)

Have a look what the booklet for
CIELCh(77, 13.613, 154.237)
contains.

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Color

CIELCh(77, 13.317, 155.251)

Conversions

Conversions Part 1

Format	Color
Hex	AAC4B3
RGB	170, 196, 179
RGB Percent	67%, 77%, 70%
CMY	0.3317, 0.2297, 0.2964
CMYK	0.13, 0.00, 0.09, 0.23
HSL	141°, 18%, 72%
HSV	141°, 13%, 77%
XYZ	44.6787, 51.5317, 50.4578
YIQ	186.2880, -10.0390, -10.7990

Conversions

Conversions Part 2

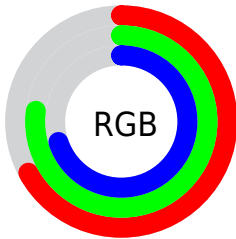
Format	Color
R _Y B	170, 189, 196
Decimal	11191475
CIE Lab	77.00, -12.09, 5.58
CIE LCh	77, 13.317, 155.251
Yxy	51.5317, 0.3046, 0.3513
Android (android.graphics.Color)	4289381555 (0xFFAAC4B3)
YUV	186.2880, -3.5930, -14.2846
Hunter-Lab	71.7856, -14.5280, 8.5752

Details

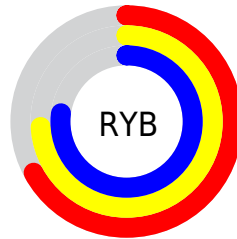
The CIELCh color **77, 13.317, 155.251** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **72, 13.424, 337.138**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 13.548, 155.889**, and **57, 13.182, 154.444** is the 20% darker color. If you saturate the color by 10%, you get **75, 23.398, 154.374**, and if you desaturate by 10%, it is **79, 3.242, 156.091**.

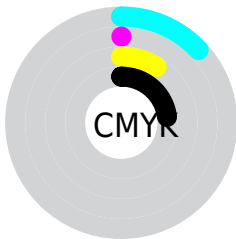
Distribution



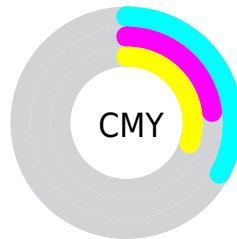
- Red (67%)
- Green (77%)
- Blue (70%)



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



- Cyan (13%)
- Magenta (0%)
- Yellow (9%)
- Black (23%)





- Cyan (33%)
- Magenta (23%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 13.317, 155.251 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, 13.317, 155.251 by changing the saturation by 10% instead.


 77, 13.317,
155.251


 77, 13.317,
155.251


 100, 13.317,
155.251


 67, 13.317,
155.251


 97, 13.317,
155.251


 57, 13.317,
155.251

 47, 13.317,
155.251

 37, 13.317,
155.251

 27, 13.317,
155.251

 17, 13.317,
155.251

 7, 13.317, 155.251

■ 0, 13.317, 155.251

■ 77, 13.317,
155.251

■ 77, 13.317,
155.251

■ 75, 23.398,
154.374

■ 79, 3.242, 156.091

■ 74, 33.348,
153.382

■ 81, 6.728, 336.604

■ 73, 43.007,
152.246

■ 83, 16.514,
337.235

■ 72, 52.197,
150.944

■ 85, 26.063,
337.782

■ 71, 60.734,
149.458

■ 86, 32.162,
331.779

■ 70, 68.452,
147.777

■ 86, 36.740,
325.701

■ 70, 75.223,
145.910

■ 70, 80.981,
143.897

■ 70, 84.378,
142.551

Harmonies

Complementary

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



77, 13.317, 155.251



72, 13.424, 337.138

Rectangle

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



77, 13.317, 155.251



77, 13.317, 205.251



77, 13.317, 335.251



77, 13.317, 25.251

Sweetspot

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



77, 13.319, 155.249



99, 4.947, 156.010



78, 14.255, 122.337



53, 3.518, 155.941



0, 0.000, 0.000



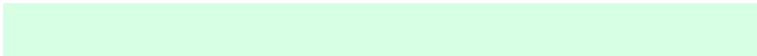
53, 0.007, 296.813

Same Dimension

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



77, 13.319, 155.249



97, 19.904, 154.997



77, 9.655, 184.738



41, 5.753, 155.564



59, 73.034, 142.857



11, 22.319, 150.587

Inverse Universe

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



72, 13.424, 337.138



90, 20.088, 337.372



72, 10.225, 7.019



39, 5.789, 336.841



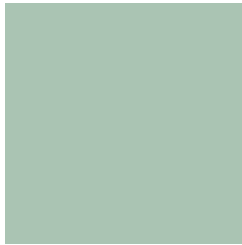
36, 64.420, 348.167



4, 19.802, 343.427

Previews

White Background



This preview shows how the CIELCh color 77, 13.317, 155.251 looks on a white background.

Color Contrast Check

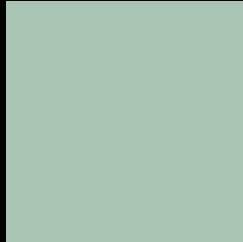
Large Text (above 18pt) WCAG AA × Fail

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, 13.317, 155.251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

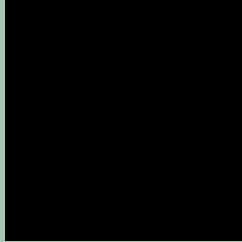
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

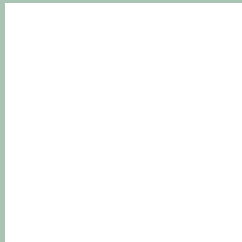
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 13.317, 155.251

Background



This preview shows how black text looks on a background with the CIELCh color 77, 13.317, 155.251.



This preview shows how white text looks on a background with the CIELCh color 77, 13.317, 155.251.

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, 13.317, 155.251

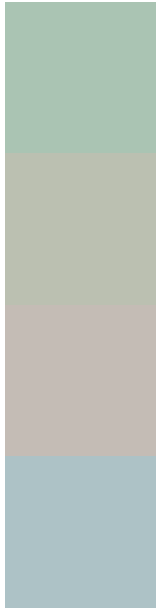
Protanopia
77, 8.078, 87.196

Deuteranopia
77, 10.705, 23.085



Tritanopia
77, 10.300, 255.948

Trichromacy



Original Color
77, 13.317, 155.251

Protanomaly
77, 8.254, 122.638

Deuteranomaly
77, 4.798, 70.756

Tritanomaly
77, 7.706, 215.159

Monochromacy



Original Color
77, 13.317, 155.251

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 4.659, 155.407

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 13.317, 155.251 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(170, 196, 179)` looks like.

```
.text, #text, p{  
    color:rgb(170, 196, 179)  
}
```

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(170, 196, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 196, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 13.317, 155.251 is called "border". The border property can be set on classes, ids or directly on the HTML element.

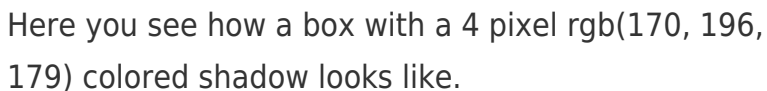
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 196, 179) }
```

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

```
.border{ border-color:rgb(170, 196, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 196, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 196, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 196, 179); box-shadow:4px 4px 4px 4px rgb(170, 196, 179) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 13.317, 155.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 196, 179) }
```

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

```
.background{ background-color: rgb(170,  
196, 179) }
```

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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