

Converting Colors

CIELCh(77, 13.439, 216.715)

Have a look what the booklet for
CIELCh(77, 13.439, 216.715)
contains.

CIELCh(77, 13.442, 214.833)	3
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Color

CIELCh(77, 13.442, 214.833)

Conversions

Conversions Part 1

Format	Color
Hex	9FC5CC
RGB	159, 197, 204
RGB Percent	62%, 77%, 80%
CMY	0.3773, 0.2283, 0.2009
CMYK	0.22, 0.03, 0.00, 0.20
HSL	189°, 31%, 71%
HSV	189°, 22%, 80%
XYZ	45.0453, 51.5317, 64.5616
YIQ	186.4360, -24.8950, -5.8790

Conversions

Conversions Part 2

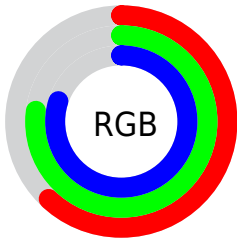
Format	Color
R_{YB}	159, 180, 204
Decimal	10470860
CIE Lab	77.00, -11.03, -7.68
CIE LCh	77, 13.442, 214.833
Yxy	51.5317, 0.2795, 0.3198
Android (android.graphics.Color)	4288660940 (0xFF9FC5CC)
YUV	186.4360, 8.6591, -24.0614
Hunter-Lab	71.7856, -13.6165, -3.0735

Details

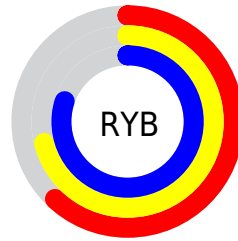
The CIELCh color **77, 13.442, 214.833** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **71, 15.621, 34.621**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 13.392, 200.812**, and **57, 13.560, 215.504** is the 20% darker color. If you saturate the color by 10%, you get **75, 18.828, 215.204**, and if you desaturate by 10%, it is **79, 7.580, 214.630**.

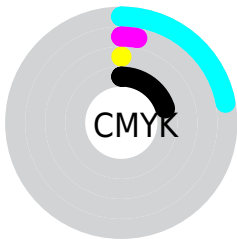
Distribution



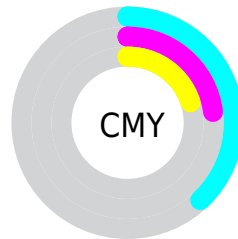
- Red (62%)
- Green (77%)
- Blue (80%)



- Red (62%)
- Yellow (71%)
- Blue (80%)



- Cyan (22%)
- Magenta (3%)
- Yellow (0%)
- Black (20%)





- Cyan (38%)
- Magenta (23%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 13.442, 214.833 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, 13.442, 214.833 by changing the saturation by 10% instead.


 77, 13.442,
214.833


 77, 13.442,
214.833


 100, 13.442,
214.833


 67, 13.442,
214.833


 97, 13.442,
214.833

 57, 13.442,
214.833

 47, 13.442,
214.833

 37, 13.442,
214.833

 27, 13.442,
214.833

 17, 13.442,
214.833

 7, 13.442, 214.833

0, 13.442, 214.833

77, 13.442,
214.833

77, 13.442,
214.833

75, 18.828,
215.204

79, 7.580, 214.630

73, 23.635,
215.791

81, 1.339, 214.873

84, 5.196, 34.344

71, 27.764,
216.635

86, 11.951, 34.477

70, 31.132,
217.792

88, 16.724, 36.324

89, 16.147, 42.899

68, 33.683,
219.328

90, 15.801, 49.857

67, 35.413,
221.310

91, 15.701, 57.006

■ 66, 36.383,
223.798

■ 92, 15.850, 64.122

■ 65, 36.781,
226.073

Harmonies

Complementary

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



77, 13.442, 214.833



71, 15.621, 34.621

Rectangle

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



77, 13.442, 214.833



77, 13.442, 264.833



77, 13.442, 34.833



77, 13.442, 84.833

Sweetspot

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



77, 13.442, 214.826



98, 5.339, 214.616



78, 26.498, 147.322



52, 3.464, 214.613



0, 0.000, 0.000



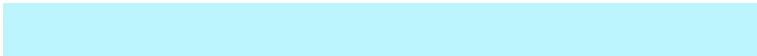
53, 0.007, 296.813

Same Dimension

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



77, 13.442, 214.826



93, 18.710, 214.964



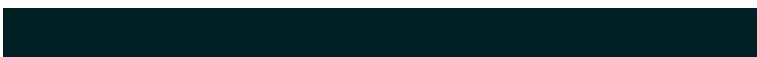
71, 16.694, 272.989



42, 3.588, 214.612



53, 31.553, 225.579



10, 11.865, 218.792

Inverse Universe

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



71, 26.467, 330.353



84, 37.387, 330.622



77, 16.851, 86.945



40, 6.771, 329.557



38, 74.205, 335.498



5, 25.583, 333.322

Previews

White Background



This preview shows how the CIELCh color 77, 13.442, 214.833 looks on a white background.

Color Contrast Check

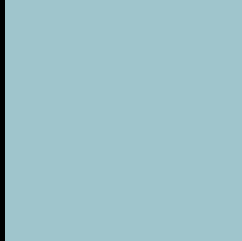
Large Text (above 18pt) WCAG AA × Fail

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, 13.442, 214.833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

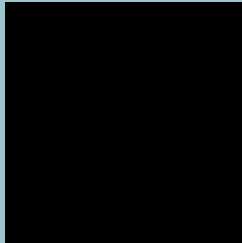
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

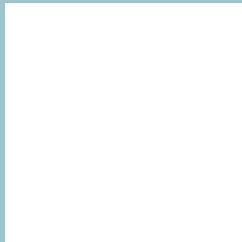
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 13.442, 214.833

Background



This preview shows how black text looks on a background with the CIELCh color 77, 13.442, 214.833.



This preview shows how white text looks on a background with the CIELCh color 77, 13.442, 214.833.

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, 13.442, 214.833

Protanopia
77, 5.395, 294.527

Deuteranopia
77, 13.231, 317.026



Tritanopia
77, 14.349, 232.995

Trichromacy



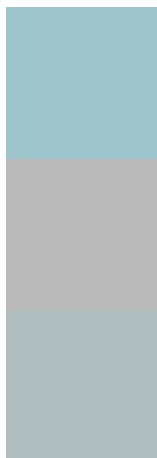
Original Color
77, 13.442, 214.833

Protanomaly
77, 6.610, 246.314

Deuteranomaly
77, 8.691, 281.586

Tritanomaly
77, 13.644, 226.955

Monochromacy



Original Color
77, 13.442, 214.833

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 5.146, 211.222

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 13.442, 214.833 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(159, 197, 204)` looks like.

```
.text, #text, p{  
    color:rgb(159, 197, 204)  
}
```

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(159, 197, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 197, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 13.442, 214.833 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(159, 197, 204) }
```

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

```
.border{ border-color:rgb(159, 197, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 197, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 197, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 197, 204);  
box-shadow:4px 4px 4px 4px rgb(159, 197,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 13.442, 214.833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 197, 204) }
```

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

```
.background{ background-color: rgb(159,  
197, 204) }
```

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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