

Converting Colors

CIELCh(77, 14.009, 220.442)

Have a look what the booklet for
CIELCh(77, 14.009, 220.442)
contains.

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Color

CIELCh(77, 13.984, 218.836)

Conversions

Conversions Part 1

Format	Color
Hex	9EC5CE
RGB	158, 197, 206
RGB Percent	62%, 77%, 81%
CMY	0.3812, 0.2283, 0.1930
CMYK	0.23, 0.04, 0.00, 0.19
HSL	191°, 33%, 71%
HSV	191°, 23%, 81%
XYZ	45.0941, 51.5317, 65.8278
YIQ	186.3650, -26.1330, -5.4690

Conversions

Conversions Part 2

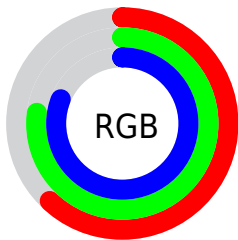
Format	Color
R_{YB}	158, 180, 206
Decimal	10405326
CIE _{Lab}	77.00, -10.89, -8.77
CIE _{LCh}	77, 13.984, 218.836
Yxy	51.5317, 0.2776, 0.3172
Android (android.graphics.Color)	4288595406 (0xFF9EC5CE)
YUV	186.3650, 9.6801, -24.8761
Hunter-Lab	71.7856, -13.4952, -4.1193

Details

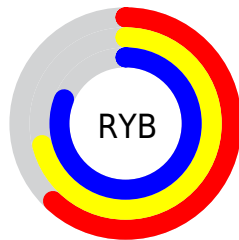
The CIELCh color **77, 13.984, 218.836** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **72, 16.366, 37.868**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 13.710, 200.741**, and **57, 14.108, 219.758** is the 20% darker color. If you saturate the color by 10%, you get **75, 19.265, 219.440**, and if you desaturate by 10%, it is **79, 8.233, 218.432**.

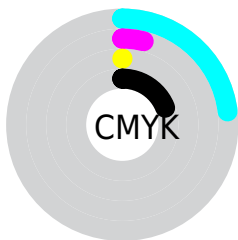
Distribution



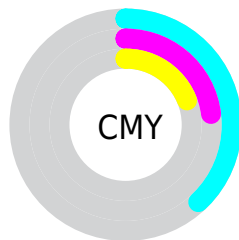
- Red (62%)
- Green (77%)
- Blue (81%)



- Red (62%)
- Yellow (71%)
- Blue (81%)



- Cyan (23%)
- Magenta (4%)
- Yellow (0%)
- Black (19%)



- Cyan (38%)
- Magenta (23%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 13.984, 218.836 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, 13.984, 218.836 by changing the saturation by 10% instead.

■ 77, 13.984,
218.836

■ 77, 13.984,
218.836

■ 100, 13.984,
218.836

■ 67, 13.984,
218.836

■ 97, 13.984,
218.836

■ 57, 13.984,
218.836

■ 47, 13.984,
218.836

■ 37, 13.984,
218.836

■ 27, 13.984,
218.836

■ 17, 13.984,
218.836

■ 7, 13.984, 218.836

0, 13.984, 218.836

77, 13.984,
218.836

77, 13.984,
218.836

75, 19.265,
219.440

79, 8.233, 218.432

73, 23.979,
220.302

82, 2.105, 218.356

84, 4.316, 37.808

71, 28.032,
221.474

87, 10.957, 37.824

69, 31.347,
223.029

89, 15.665, 40.141

90, 15.168, 48.871

67, 33.881,
225.045

91, 15.049, 57.950

66, 35.644,
227.600

92, 15.313, 66.923

■ 64, 36.719,
230.756

■ 93, 15.940, 75.367

■ 63, 37.205,
233.121

Harmonies

Complementary

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



77, 13.984, 218.836



72, 16.366, 37.868

Rectangle

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



77, 13.984, 218.836



77, 13.984, 268.836



77, 13.984, 38.836



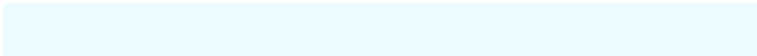
77, 13.984, 88.836

Sweetspot

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



77, 13.984, 218.830



98, 5.233, 218.303



78, 27.541, 148.297



52, 3.395, 218.310



0, 0.000, 0.000



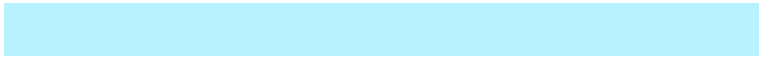
53, 0.007, 296.813

Same Dimension

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



77, 13.984, 218.830



92, 19.635, 219.108



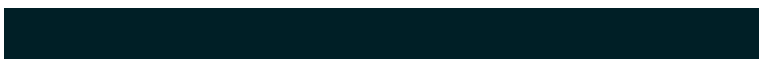
71, 18.501, 275.810



42, 3.518, 218.336



52, 31.647, 232.493



10, 11.759, 224.136

Inverse Universe

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



71, 27.562, 331.547



83, 39.368, 331.879



78, 18.511, 89.491



40, 6.619, 330.641



38, 72.440, 337.312



5, 24.915, 334.779

Previews

White Background



This preview shows how the CIELCh color 77, 13.984, 218.836 looks on a white background.

Color Contrast Check

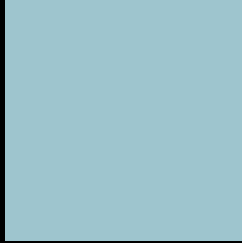
Large Text (above 18pt) WCAG AA × Fail

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, 13.984, 218.836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

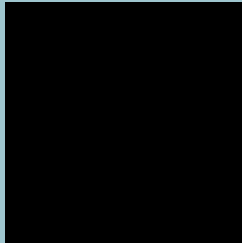
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

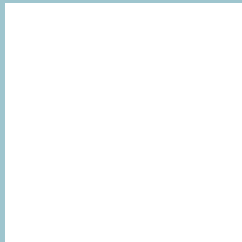
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 13.984, 218.836

Background



This preview shows how black text looks on a background with the CIELCh color 77, 13.984, 218.836.



This preview shows how white text looks on a background with the CIELCh color 77, 13.984, 218.836.

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, 14.870, 234.146

Trichromacy



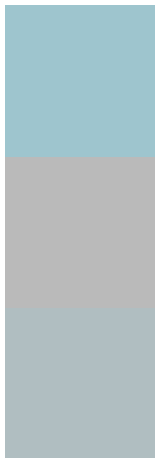
Original Color
77, 13.984, 218.836

Protanomaly
77, 7.828, 254.877

Deuteranomaly
77, 9.801, 280.716

Tritanomaly
77, 14.365, 230.357

Monochromacy



Original Color
77, 13.984, 218.836

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 5.264, 217.032

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 13.984, 218.836 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(158, 197, 206)` looks like.

```
.text, #text, p{  
    color:rgb(158, 197, 206)  
}
```

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(158, 197, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 197, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 13.984, 218.836 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(158, 197, 206) }
```

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

```
.border{ border-color:rgb(158, 197, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 197, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 197, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 197, 206);  
box-shadow:4px 4px 4px 4px rgb(158, 197,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 13.984, 218.836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 197, 206) }
```

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

```
.background{ background-color: rgb(158,  
197, 206) }
```

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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