

Converting Colors

CIELCh(77, 14.166, 223.821)

Have a look what the booklet for
CIELCh(77, 14.166, 223.821)
contains.

CIELCh(77, 14.296, 223.069)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(77, 14.296, 223.069)

Conversions

Conversions Part 1

Format	Color
Hex	9EC5D0
RGB	158, 197, 208
RGB Percent	62%, 77%, 82%
CMY	0.3818, 0.2289, 0.1858
CMYK	0.24, 0.05, 0.00, 0.19
HSL	193°, 35%, 72%
HSV	193°, 24%, 81%
XYZ	45.2501, 51.5317, 66.9944
YIQ	186.5930, -26.7750, -4.8470

Conversions

Conversions Part 2

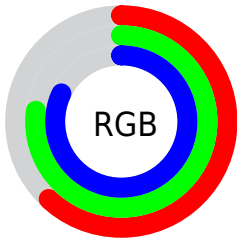
Format	Color
RYB	158, 180, 208
Decimal	10405328
CIELab	77.00, -10.44, -9.76
CIELCh	77, 14.296, 223.069
Yxy	51.5317, 0.2763, 0.3146
Android (android.graphics.Color)	4288595408 (0xFF9EC5D0)
YUV	186.5930, 10.5537, -25.0761
Hunter-Lab	71.7856, -13.1074, -5.0829

Details

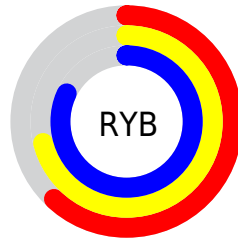
The CIELCh color **77, 14.296, 223.069** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **72, 16.758, 41.264**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 13.710, 200.741**, and **57, 14.436, 224.249** is the 20% darker color. If you saturate the color by 10%, you get **75, 19.531, 223.907**, and if you desaturate by 10%, it is **80, 8.608, 222.462**.

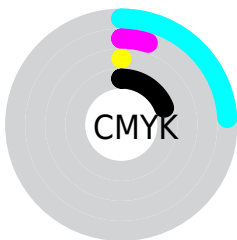
Distribution



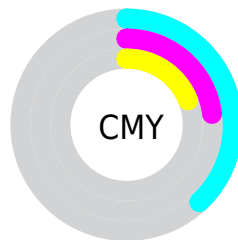
- Red (62%)
- Green (77%)
- Blue (82%)



- Red (62%)
- Yellow (71%)
- Blue (82%)



- Cyan (24%)
- Magenta (5%)
- Yellow (0%)
- Black (19%)




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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 14.296, 223.069 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, 14.296, 223.069 by changing the saturation by 10% instead.

 77, 14.296,
223.069

 77, 14.296,
223.069


 100, 14.296,
223.069


 67, 14.296,
223.069


 97, 14.296,
223.069

 57, 14.296,
223.069

 47, 14.296,
223.069

 37, 14.296,
223.069

 27, 14.296,
223.069

 17, 14.296,
223.069

 7, 14.296, 223.069

0, 14.296, 223.069

77, 14.296,
223.069

77, 14.296,
223.069

75, 19.531,
223.907

80, 8.608, 222.462

72, 24.220,
225.043

82, 2.555, 222.167

85, 3.782, 41.496

70, 28.278,
226.543

88, 10.336, 41.389

68, 31.636,
228.487

90, 14.744, 44.631

91, 14.443, 55.723

66, 34.264,
230.965

92, 14.702, 66.821

64, 36.187,
234.059

94, 15.489, 77.127

■ 63, 37.510,
237.819

■ 95, 16.724, 86.136

■ 62, 38.149,
240.258

Harmonies

Complementary

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



77, 14.296, 223.069



72, 16.758, 41.264

Rectangle

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



77, 14.296, 223.069



77, 14.296, 273.069



77, 14.296, 43.069



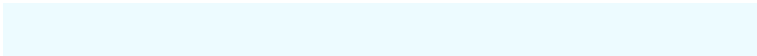
77, 14.296, 93.069

Sweetspot

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



77, 14.296, 223.063



98, 5.148, 222.194



79, 27.947, 149.361



52, 3.340, 222.210



0, 0.000, 0.000



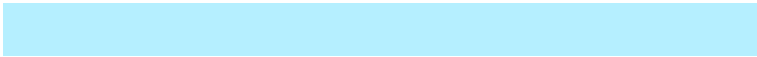
53, 0.007, 296.813

Same Dimension

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



77, 14.296, 223.063



91, 19.986, 223.475



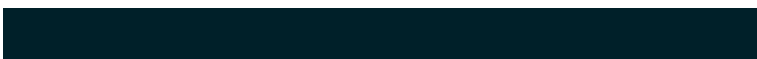
70, 20.032, 278.355



43, 3.532, 222.265



51, 32.551, 239.563



10, 12.210, 230.339

Inverse Universe

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



71, 28.021, 332.789



82, 39.859, 333.155



79, 19.868, 91.938



41, 6.602, 331.799



38, 71.519, 339.300



5, 26.248, 336.626

Previews

White Background



This preview shows how the CIELCh color 77, 14.296, 223.069 looks on a white background.

Color Contrast Check

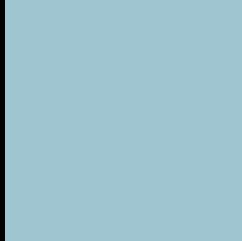
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 77, 14.296, 223.069 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

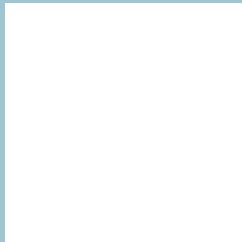
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 14.296, 223.069

Background



This preview shows how black text looks on a background with the CIELCh color 77, 14.296, 223.069.

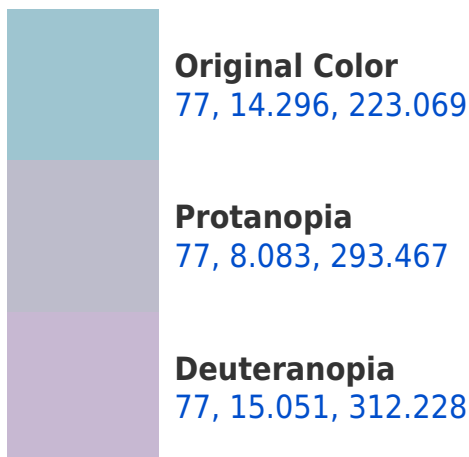


This preview shows how white text looks on a background with the CIELCh color 77, 14.296, 223.069.

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, 15.126, 233.444

Trichromacy



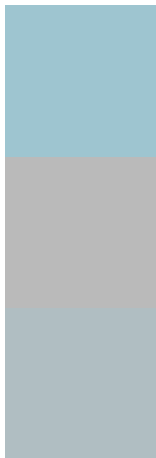
Original Color
77, 14.296, 223.069

Protanomaly
77, 8.708, 259.224

Deuteranomaly
77, 10.857, 281.873

Tritanomaly
77, 14.634, 229.695

Monochromacy



Original Color
77, 14.296, 223.069

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 5.432, 222.540

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 14.296, 223.069 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(158, 197, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 197, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 14.296, 223.069 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, 208) }
```

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

```
.border{ border-color:rgb(158, 197, 208) }
```

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, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 197, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 197, 208);  
box-shadow:4px 4px 4px 4px rgb(158, 197,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 14.296, 223.069 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, 208) }
```

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

```
.background{ background-color: rgb(158,  
197, 208) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor