

Converting Colors

CIELCh(77, 16.541, 214.334)

Have a look what the booklet for
CIELCh(77, 16.541, 214.334)
contains.

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Color

CIELCh(77, 16.630, 215.308)

Conversions

Conversions Part 1

Format	Color
Hex	96C6CF
RGB	150, 198, 207
RGB Percent	59%, 78%, 81%
CMY	0.4108, 0.2225, 0.1872
CMYK	0.28, 0.04, 0.00, 0.19
HSL	189°, 37%, 70%
HSV	189°, 28%, 81%
XYZ	44.1714, 51.5317, 66.8164
YIQ	184.6740, -31.4970, -7.3770

Conversions

Conversions Part 2

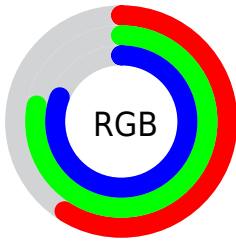
Format	Color
R_{YB}	150, 176, 207
Decimal	9881295
CIE _{Lab}	77.00, -13.57, -9.61
CIE _{LCh}	77, 16.630, 215.308
Yxy	51.5317, 0.2718, 0.3171
Android (android.graphics.Color)	4288071375 (0xFF96C6CF)
YUV	184.6740, 11.0067, -30.4091
Hunter-Lab	71.7856, -15.7896, -4.9359

Details

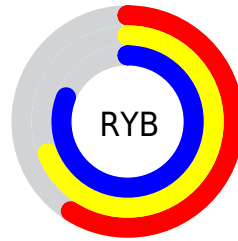
The CIELCh color **77, 16.630, 215.308** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **70, 20.151, 35.013**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 16.562, 198.406**, and **57, 16.691, 216.077** is the 20% darker color. If you saturate the color by 10%, you get **75, 21.777, 215.807**, and if you desaturate by 10%, it is **79, 10.946, 214.995**.

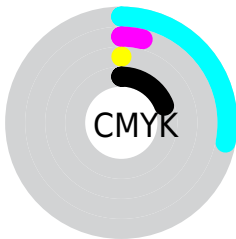
Distribution



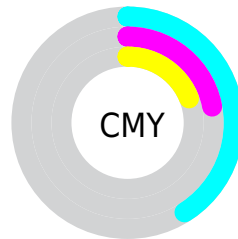
- Red (59%)
- Green (78%)
- Blue (81%)



- Red (59%)
- Yellow (69%)
- Blue (81%)



- Cyan (28%)
- Magenta (4%)
- Yellow (0%)
- Black (19%)





- Cyan (41%)
- Magenta (22%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 16.630, 215.308 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, 16.630, 215.308 by changing the saturation by 10% instead.

 77, 16.630,
215.308

 77, 16.630,
215.308


 100, 16.630,
215.308


 67, 16.630,
215.308


 97, 16.630,
215.308

 57, 16.630,
215.308

 47, 16.630,
215.308

 37, 16.630,
215.308

 27, 16.630,
215.308

 17, 16.630,
215.308

 7, 16.630, 215.308

0, 16.630, 215.308

77, 16.630,
215.308

77, 16.630,
215.308

75, 21.777,
215.807

79, 10.946,
214.995

73, 26.282,
216.548

81, 4.825, 214.882

71, 30.053,
217.580

84, 1.639, 34.355

86, 8.364, 34.657

70, 33.018,
218.967

89, 15.280, 34.779

68, 35.148,
220.776

90, 15.052, 41.619

91, 14.668, 49.327

67, 36.472,
223.075

91, 14.565, 57.286

■ 66, 37.118,
225.890

■ 92, 14.748, 65.187

■ 66, 37.243,
226.627

Harmonies

Complementary

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



77, 16.630, 215.308



70, 20.151, 35.013

Rectangle

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



77, 16.630, 215.308



77, 16.630, 265.308



77, 16.630, 35.308



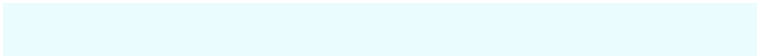
77, 16.630, 85.308

Sweetspot

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



77, 16.630, 215.303



98, 6.076, 214.880



78, 33.463, 146.854



52, 4.301, 214.884



0, 0.000, 0.000



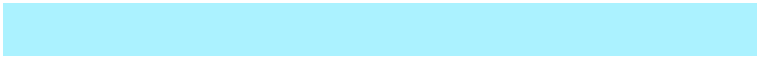
53, 0.007, 296.813

Same Dimension

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



77, 16.630, 215.303



91, 23.072, 215.574



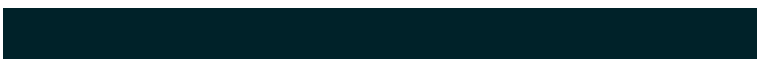
69, 21.161, 273.963



43, 3.656, 214.883



54, 31.903, 226.128



11, 12.302, 219.627

Inverse Universe

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



69, 33.365, 330.779



80, 47.252, 331.156



77, 21.415, 86.222



41, 6.898, 329.637



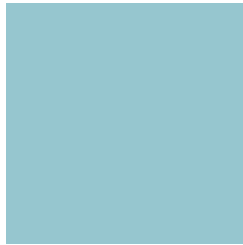
38, 74.901, 335.638



5, 27.547, 333.729

Previews

White Background



This preview shows how the CIELCh color 77, 16.630, 215.308 looks on a white background.

Color Contrast Check

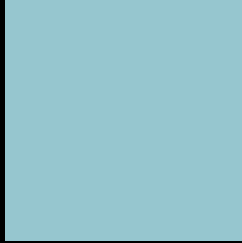
Large Text (above 18pt) WCAG AA × Fail

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, 16.630, 215.308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

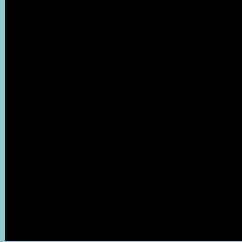
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

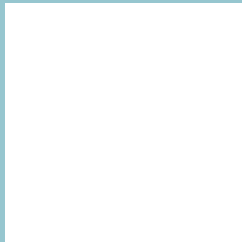
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 16.630, 215.308

Background



This preview shows how black text looks on a background with the CIELCh color 77, 16.630, 215.308.



This preview shows how white text looks on a background with the CIELCh color 77, 16.630, 215.308.

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](#).

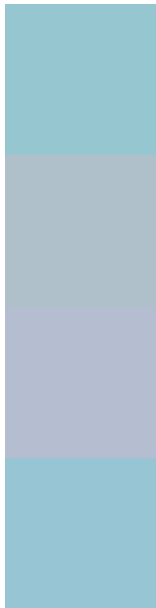
Dichromacy





Tritanopia
77, 16.929, 229.167

Trichromacy



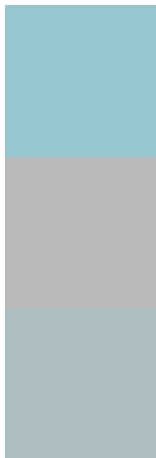
Original Color
77, 16.630, 215.308

Protanomaly
77, 8.302, 244.652

Deuteranomaly
77, 11.051, 276.519

Tritanomaly
77, 16.788, 225.202

Monochromacy



Original Color
77, 16.630, 215.308

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 6.613, 213.181

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 16.630, 215.308 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(150, 198, 207)` looks like.

```
.text, #text, p{  
    color:rgb(150, 198, 207)  
}
```

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(150, 198, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 198, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 16.630, 215.308 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(150, 198, 207) }
```

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

```
.border{ border-color:rgb(150, 198, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 198, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 198, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 198, 207);  
box-shadow:4px 4px 4px 4px rgb(150, 198,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 16.630, 215.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 198, 207) }
```

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

```
.background{ background-color: rgb(150,  
198, 207) }
```

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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