

Converting Colors

CIELCh(77, 22.453, 220.688)

Have a look what the booklet for
CIELCh(77, 22.453, 220.688)
contains.

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Color

CIELCh(77, 22.308, 220.868)

Conversions

Conversions Part 1

Format	Color
Hex	86C8D8
RGB	134, 200, 216
RGB Percent	53%, 78%, 85%
CMY	0.4732, 0.2144, 0.1516
CMYK	0.38, 0.07, 0.00, 0.15
HSL	192°, 51%, 69%
HSV	192°, 38%, 85%
XYZ	43.0523, 51.5317, 72.8698
YIQ	182.0900, -44.4720, -9.0160

Conversions

Conversions Part 2

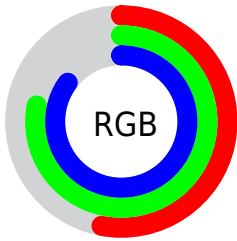
Format	Color
RYB	134, 171, 216
Decimal	8833240
CIELab	77.00, -16.87, -14.60
CIELCh	77, 22.308, 220.868
Yxy	51.5317, 0.2571, 0.3077
Android (android.graphics.Color)	4287023320 (0xFF86C8D8)
YUV	182.0900, 16.7176, -42.1749
Hunter-Lab	71.7856, -18.5723, -9.9355

Details

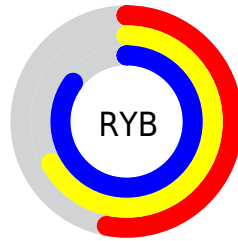
The CIELCh color **77, 22.308, 220.868** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **68, 29.319, 38.915**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 21.100, 198.118**, and **57, 22.360, 220.390** is the 20% darker color. If you saturate the color by 10%, you get **75, 26.901, 221.933**, and if you desaturate by 10%, it is **79, 17.083, 220.086**.

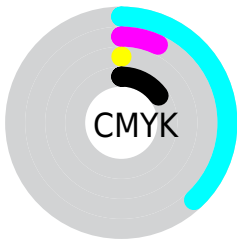
Distribution



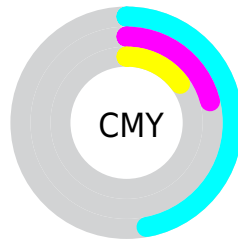
- Red (53%)
- Green (78%)
- Blue (85%)



- Red (53%)
- Yellow (67%)
- Blue (85%)



- Cyan (38%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)



- Cyan (47%)
- Magenta (21%)
- Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 22.308, 220.868 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, 22.308, 220.868 by changing the saturation by 10% instead.

 77, 22.308,
220.868

 77, 22.308,
220.868

 100, 22.308,
220.868

 67, 22.308,
220.868

 97, 22.308,
220.868

 57, 22.308,
220.868

 47, 22.308,
220.868

 37, 22.308,
220.868

 27, 22.308,
220.868

 17, 22.308,
220.868

 7, 22.308, 220.868

0, 22.308, 220.868

77, 22.308,
220.868

77, 22.308,
220.868

75, 26.901,
221.933

79, 17.083,
220.086

73, 30.772,
223.359

82, 11.327,
219.544

71, 33.858,
225.221

84, 5.140, 219.225

87, 1.389, 38.455

69, 36.138,
227.604

90, 8.178, 38.667

68, 37.662,
230.582

92, 11.910, 43.751

66, 38.582,
234.169

93, 11.645, 56.475

■ 66, 38.755,
234.948

■ 94, 11.970, 69.102

■ 95, 12.837, 80.501

Harmonies

Complementary

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



77, 22.308, 220.868



68, 29.319, 38.915

Rectangle

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



77, 22.308, 220.868



77, 22.308, 270.868



77, 22.308, 40.868



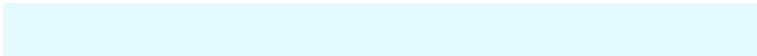
77, 22.308, 90.868

Sweetspot

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



77, 22.308, 220.865



97, 8.105, 219.298



80, 46.397, 146.900



51, 5.426, 219.339



0, 0.000, 0.000



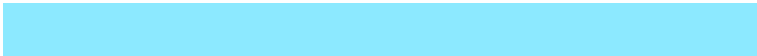
53, 0.007, 296.813

Same Dimension

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



77, 22.308, 220.865



87, 29.235, 221.637



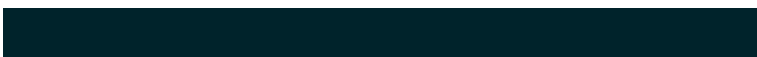
66, 31.744, 278.646



44, 3.646, 219.255



53, 32.458, 234.261



12, 12.649, 226.529

Inverse Universe

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



67, 46.134, 332.819



74, 61.960, 333.346



78, 31.716, 87.533



42, 6.854, 330.914



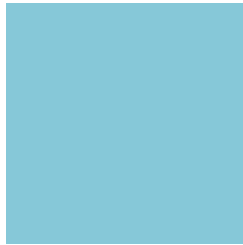
39, 73.632, 337.794



6, 28.547, 335.645

Previews

White Background



This preview shows how the CIE LCh color 77, 22.308, 220.868 looks on a white background.

Color Contrast Check

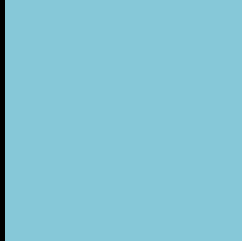
Large Text (above 18pt) WCAG AA × Fail

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, 22.308, 220.868 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

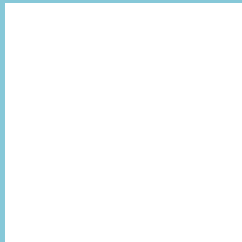
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 22.308, 220.868

Background



This preview shows how black text looks on a background with the CIELCh color 77, 22.308, 220.868.



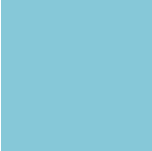
This preview shows how white text looks on a background with the CIELCh color 77, 22.308, 220.868.

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, 22.308, 220.868

Trichromacy



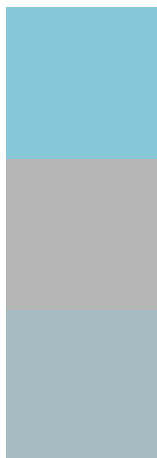
Original Color
77, 22.308, 220.868

Protanomaly
77, 12.901, 251.644

Deuteranomaly
77, 16.171, 268.218

Tritanomaly
77, 22.308, 220.868

Monochromacy



Original Color
77, 22.308, 220.868

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 8.845, 216.667

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 22.308, 220.868 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(134, 200, 216)` looks like.

```
.text, #text, p{  
    color:rgb(134, 200, 216)  
}
```

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(134, 200, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 200, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 22.308, 220.868 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(134, 200, 216) }
```

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

```
.border{ border-color:rgb(134, 200, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 200, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 200, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 200, 216);  
box-shadow:4px 4px 4px 4px rgb(134, 200,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 22.308, 220.868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 200, 216) }
```

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

```
.background{ background-color: rgb(134,  
200, 216) }
```

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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