

Converting Colors

CIELCh(75, 22.681, 221.687)

Have a look what the booklet for
CIELCh(75, 22.681, 221.687)
contains.

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Color

CIELCh(75, 22.707, 222.031)

Conversions

Conversions Part 1

Format	Color
Hex	80C3D4
RGB	128, 195, 212
RGB Percent	50%, 76%, 83%
CMY	0.4987, 0.2359, 0.1693
CMYK	0.40, 0.08, 0.00, 0.17
HSL	192°, 49%, 67%
HSV	192°, 40%, 83%
XYZ	40.2184, 48.2781, 69.3761
YIQ	176.9050, -45.3890, -8.9170

Conversions

Conversions Part 2

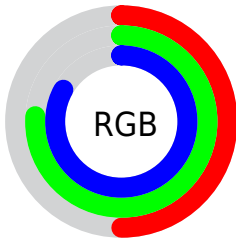
Format	Color
RYB	128, 165, 212
Decimal	8438740
CIELab	75.00, -16.87, -15.20
CIELCh	75, 22.707, 222.031
Yxy	48.2781, 0.2548, 0.3058
Android (android.graphics.Color)	4286628820 (0xFF80C3D4)
YUV	176.9050, 17.3018, -42.8897
Hunter-Lab	69.4824, -18.2735, -10.5615

Details

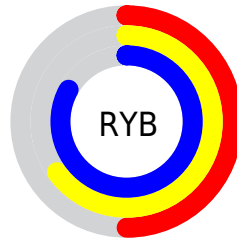
The CIELCh color **75, 22.707, 222.031** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **66, 30.231, 39.647**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 21.877, 202.147**, and **55, 22.647, 221.813** is the 20% darker color. If you saturate the color by 10%, you get **73, 27.109, 223.212**, and if you desaturate by 10%, it is **77, 17.676, 221.153**.

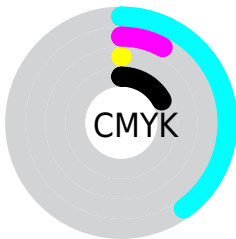
Distribution



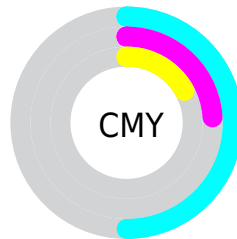
- Red (50%)
- Green (76%)
- Blue (83%)



- Red (50%)
- Yellow (65%)
- Blue (83%)



- Cyan (40%)
- Magenta (8%)
- Yellow (0%)
- Black (17%)





- Cyan (50%)
- Magenta (24%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 22.707, 222.031 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 75, 22.707, 222.031 by changing the saturation by 10% instead.


 75, 22.707,
222.031


 75, 22.707,
222.031


 100, 22.707,
222.031


 65, 22.707,
222.031


 95, 22.707,
222.031

 55, 22.707,
222.031

 45, 22.707,
222.031

 35, 22.707,
222.031

 25, 22.707,
222.031

 15, 22.707,
222.031

 5, 22.707, 222.031

0, 22.707, 222.031

75, 22.707,
222.031

75, 22.707,
222.031

73, 27.109,
223.212

77, 17.676,
221.153

71, 30.801,
224.777

80, 12.115,
220.529

69, 33.725,
226.805

82, 6.118, 220.128

67, 35.877,
229.382

85, 0.224, 37.210

66, 37.317,
232.579

88, 6.831, 39.474

64, 38.251,
236.345

91, 13.637, 39.423

92, 13.141, 50.594

■ 64, 38.283,
236.478

■ 93, 13.161, 62.203

■ 94, 13.714, 73.289

Harmonies

Complementary

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



75, 22.707, 222.031



66, 30.231, 39.647

Rectangle

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



75, 22.707, 222.031



75, 22.707, 272.031



75, 22.707, 42.031



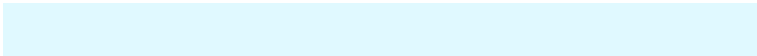
75, 22.707, 92.031

Sweetspot

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



75, 22.707, 222.028



96, 8.785, 220.205



78, 47.066, 147.265



51, 5.807, 220.253



0, 0.000, 0.000



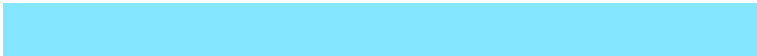
53, 0.007, 296.813

Same Dimension

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



75, 22.707, 222.028



86, 30.642, 223.059



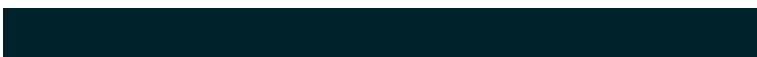
63, 33.409, 280.215



44, 3.632, 220.122



53, 32.565, 235.825



12, 12.648, 227.803

Inverse Universe

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



64, 47.125, 333.212



72, 65.396, 333.847



77, 33.093, 88.616



42, 6.819, 331.168



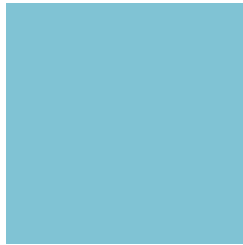
39, 73.241, 338.229



6, 28.396, 335.986

Previews

White Background



This preview shows how the CIE LCh color 75, 22.707, 222.031 looks on a white background.

Color Contrast Check

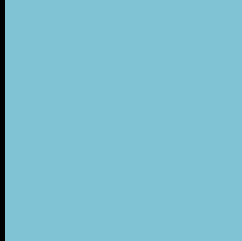
Large Text (above 18pt) WCAG AA × Fail

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 75, 22.707, 222.031 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 75, 22.707, 222.031

Background



This preview shows how black text looks on a background with the CIELCh color 75, 22.707, 222.031.

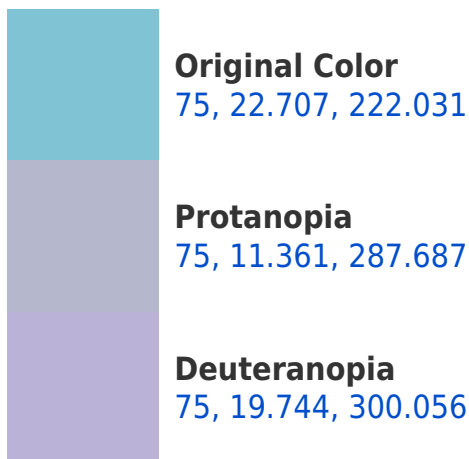


This preview shows how white text looks on a background with the CIELCh color 75, 22.707, 222.031.

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
75, 22.572, 220.665

Trichromacy



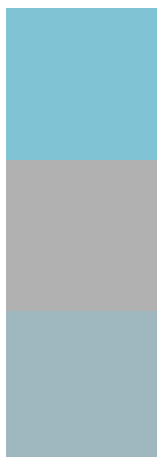
Original Color
75, 22.707, 222.031

Protanomaly
75, 13.554, 252.171

Deuteranomaly
75, 16.865, 268.106

Tritanomaly
75, 22.572, 220.665

Monochromacy



Original Color
75, 22.707, 222.031

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 9.208, 223.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 22.707, 222.031 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(128, 195, 212)` looks like.

```
.text, #text, p{  
    color:rgb(128, 195, 212)  
}
```

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(128, 195, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 195, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 22.707, 222.031 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(128, 195, 212) }
```

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

```
.border{ border-color:rgb(128, 195, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 195, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 195, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 195, 212);  
box-shadow:4px 4px 4px 4px rgb(128, 195,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 22.707, 222.031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 195, 212) }
```

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

```
.background{ background-color: rgb(128,  
195, 212) }
```

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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