

Converting Colors

CIELCh(72, 21.722, 224.561)

Have a look what the booklet for
CIELCh(72, 21.722, 224.561)
contains.

CIELCh(72, 21.919, 224.826)	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(72, 21.919, 224.826)

Conversions

Conversions Part 1

Format	Color
Hex	7BBACC
RGB	123, 186, 204
RGB Percent	48%, 73%, 80%
CMY	0.5178, 0.2708, 0.2002
CMYK	0.40, 0.09, 0.00, 0.20
HSL	193°, 44%, 64%
HSV	193°, 40%, 80%
XYZ	36.6006, 43.6590, 63.5905
YIQ	169.2150, -43.3260, -7.7580

Conversions

Conversions Part 2

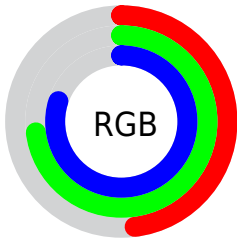
Format	Color
R _{YB}	123, 158, 204
Decimal	8108748
CIE _{Lab}	72.00, -15.55, -15.45
CIE _{LCh}	72, 21.919, 224.826
Yxy	43.6590, 0.2544, 0.3035
Android (android.graphics.Color)	4286298828 (0xFF7BBACC)
YUV	169.2150, 17.1490, -40.5306
Hunter-Lab	66.0750, -16.7555, -10.8082

Details

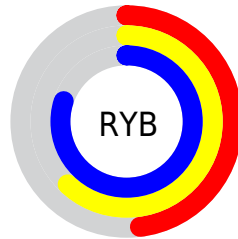
The CIELCh color **72, 21.919, 224.826** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **64, 29.029, 41.545**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 20.942, 217.097**, and **52, 21.865, 224.781** is the 20% darker color. If you saturate the color by 10%, you get **70, 26.205, 226.171**, and if you desaturate by 10%, it is **74, 17.049, 223.808**.

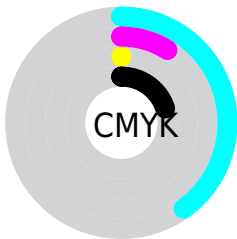
Distribution



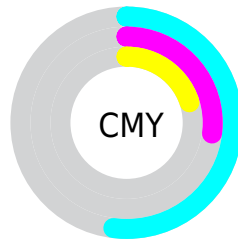
- Red (48%)
- Green (73%)
- Blue (80%)



- Red (48%)
- Yellow (62%)
- Blue (80%)



- Cyan (40%)
- Magenta (9%)
- Yellow (0%)
- Black (20%)





- Cyan (52%)
- Magenta (27%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 21.919, 224.826 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 72, 21.919, 224.826 by changing the saturation by 10% instead.


 72, 21.919,
224.826


 72, 21.919,
224.826


 100, 21.919,
224.826


 62, 21.919,
224.826


 92, 21.919,
224.826

 52, 21.919,
224.826

 42, 21.919,
224.826

 32, 21.919,
224.826

 22, 21.919,
224.826

 12, 21.919,
224.826

 2, 21.919, 224.826

0, 21.919, 224.826

72, 21.919,
224.826

72, 21.919,
224.826

70, 26.205,
226.171

74, 17.049,
223.808

68, 29.831,
227.928

77, 11.686,
223.062

66, 32.751,
230.181

79, 5.917, 222.554

64, 34.962,
233.020

82, 0.175, 38.951

62, 36.532,
236.511

85, 6.514, 41.718

61, 37.669,
240.576

88, 13.040, 41.590

90, 15.871, 46.713

■ 61, 37.702,
240.692

■ 91, 15.646, 56.923

■ 92, 15.932, 67.070

Harmonies

Complementary

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



72, 21.919, 224.826



64, 29.029, 41.545

Rectangle

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



72, 21.919, 224.826



72, 21.919, 274.826



72, 21.919, 44.826



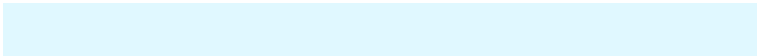
72, 21.919, 94.826

Sweetspot

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



72, 21.919, 224.823



96, 8.707, 222.654



76, 45.150, 147.828



51, 5.755, 222.716



0, 0.000, 0.000



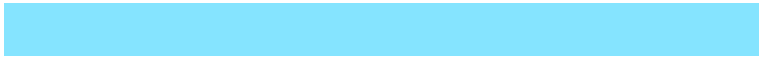
53, 0.007, 296.813

Same Dimension

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



72, 21.919, 224.823



86, 30.493, 226.005



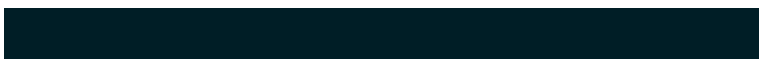
61, 33.151, 281.359



42, 3.458, 222.542



50, 32.234, 239.991



9, 11.742, 230.137

Inverse Universe

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



62, 45.156, 333.983



72, 64.531, 334.650



74, 32.585, 89.897



40, 6.458, 331.880



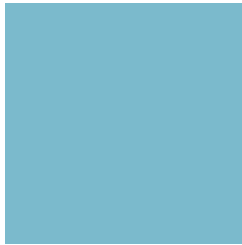
37, 70.616, 339.425



5, 24.210, 336.479

Previews

White Background



This preview shows how the CIELCh color 72, 21.919, 224.826 looks on a white background.

Color Contrast Check

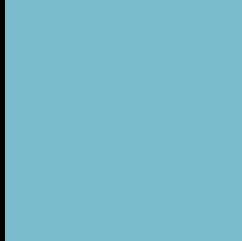
Large Text (above 18pt) WCAG AA × Fail

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 72, 21.919, 224.826 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 72, 21.919, 224.826

Background



This preview shows how black text looks on a background with the CIELCh color 72, 21.919, 224.826.



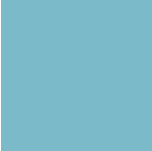
This preview shows how white text looks on a background with the CIELCh color 72, 21.919, 224.826.

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
72, 21.722, 220.251

Trichromacy



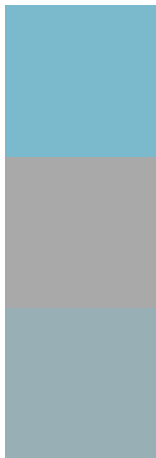
Original Color
72, 21.919, 224.826

Protanomaly
72, 14.132, 257.474

Deuteranomaly
72, 16.873, 269.289

Tritanomaly
72, 21.855, 221.684

Monochromacy



Original Color
72, 21.919, 224.826

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 8.955, 224.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 21.919, 224.826 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(123, 186, 204)` looks like.

```
.text, #text, p{  
    color:rgb(123, 186, 204)  
}
```

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(123, 186, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 186, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 21.919, 224.826 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(123, 186, 204) }
```

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

```
.border{ border-color:rgb(123, 186, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 186, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 186, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 186, 204);  
box-shadow:4px 4px 4px 4px rgb(123, 186,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 21.919, 224.826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 186, 204) }
```

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

```
.background{ background-color: rgb(123,  
186, 204) }
```

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