

Converting Colors

CIELCh(72, 22.262, 180.501)

Have a look what the booklet for
CIELCh(72, 22.262, 180.501)
contains.

CIELCh(72, 22.262, 180.501)	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, 22.262, 180.501)

Conversions

Conversions Part 1

Format	Color
Hex	7FBCB0
RGB	127, 188, 176
RGB Percent	50%, 74%, 69%
CMY	0.5016, 0.2624, 0.3095
CMYK	0.32, 0.00, 0.06, 0.26
HSL	168°, 31%, 62%
HSV	168°, 32%, 74%
XYZ	34.6109, 43.6590, 47.7205
YIQ	168.3930, -32.5040, -16.6640

Conversions

Conversions Part 2

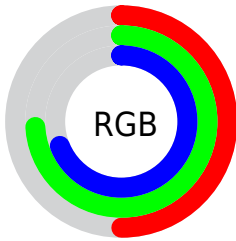
Format	Color
RYB	127, 161, 188
Decimal	8371376
CIELab	72.00, -22.26, -0.19
CIELCh	72, 22.262, 180.501
Yxy	43.6590, 0.2747, 0.3465
Android (android.graphics.Color)	4286561456 (0xFF7FBCB0)
YUV	168.3930, 3.7503, -36.3017
Hunter-Lab	66.0750, -22.1307, 3.4322

Details

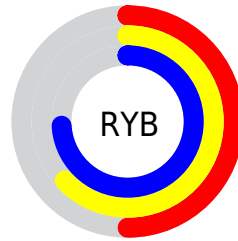
The CIELCh color **72, 22.262, 180.501** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60, 25.511, 7.161**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 21.851, 181.418**, and **52, 21.827, 181.671** is the 20% darker color. If you saturate the color by 10%, you get **71, 28.290, 179.440**, and if you desaturate by 10%, it is **73, 15.754, 181.494**.

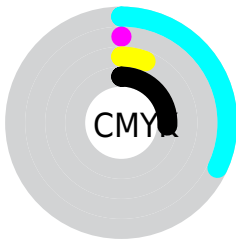
Distribution



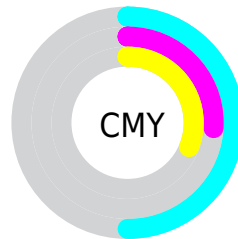
- Red (50%)
- Green (74%)
- Blue (69%)



- Red (50%)
- Yellow (63%)
- Blue (74%)



- Cyan (32%)
- Magenta (0%)
- Yellow (6%)
- Black (26%)





- Cyan (50%)
- Magenta (26%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 22.262, 180.501 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, 22.262, 180.501 by changing the saturation by 10% instead.


 72, 22.262,
180.501


 72, 22.262,
180.501


 100, 22.262,
180.501


 62, 22.262,
180.501


 92, 22.262,
180.501

 52, 22.262,
180.501

 42, 22.262,
180.501

 32, 22.262,
180.501

 22, 22.262,
180.501

 12, 22.262,
180.501

 2, 22.262, 180.501

0, 22.262, 180.501

72, 22.262,
180.501

72, 22.262,
180.501

71, 28.290,
179.440

73, 15.754,
181.494

70, 33.716,
178.300

74, 8.881, 182.451

70, 38.437,
177.056

76, 1.757, 183.563

77, 5.523, 4.048

69, 42.377,
175.688

79, 12.877, 4.919

69, 45.505,
174.170

81, 20.240, 5.724

83, 26.177, 5.517

68, 47.854,
172.489

83, 26.608, 1.437

■ 68, 49.270,
171.148

■ 83, 27.179,
357.516

Harmonies

Complementary

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



72, 22.262, 180.501



60, 25.511, 7.161

Rectangle

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



72, 22.262, 180.501



72, 22.262, 230.501



72, 22.262, 0.501



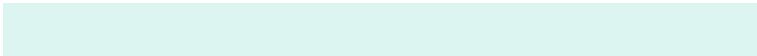
72, 22.262, 50.501

Sweetspot

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



72, 22.263, 180.498



95, 8.876, 182.668



72, 37.938, 137.090



50, 6.042, 182.533



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



72, 22.263, 180.498



90, 32.493, 179.743



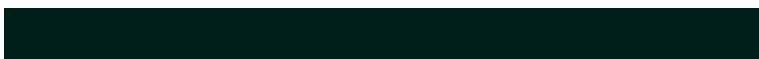
67, 17.139, 234.842



39, 4.076, 182.747



58, 43.189, 171.410



9, 13.111, 176.612

Inverse Universe

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



60, 25.511, 7.161



72, 38.494, 8.332



64, 20.852, 49.674



37, 4.229, 4.294



33, 64.751, 28.982



3, 12.522, 8.224

Previews

White Background



This preview shows how the CIELCh color 72, 22.262, 180.501 looks on a white background.

Color Contrast Check

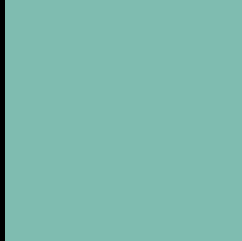
Large Text (above 18pt) WCAG AA × Fail

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, 22.262, 180.501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

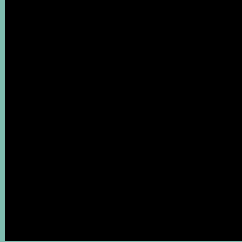
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

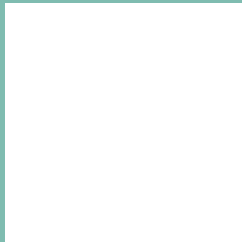
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 22.262, 180.501

Background



This preview shows how black text looks on a background with the CIELCh color 72, 22.262, 180.501.



This preview shows how white text looks on a background with the CIELCh color 72, 22.262, 180.501.

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](#).

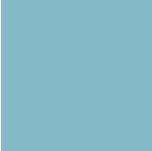
Dichromacy



Original Color
72, 22.262, 180.501

Protanopia
72, 3.965, 74.539

Deuteranopia
72, 9.625, 345.852



Tritanopia
72, 18.749, 222.358

Trichromacy



Original Color
72, 22.262, 180.501

Protanomaly
72, 8.335, 167.259

Deuteranomaly
72, 3.466, 217.641

Tritanomaly
72, 18.845, 206.366

Monochromacy



Original Color
72, 22.262, 180.501

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 8.409, 183.611

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 22.262, 180.501 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(127, 188, 176)` looks like.

```
.text, #text, p{  
    color:rgb(127, 188, 176)  
}
```

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(127, 188, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 188, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 22.262, 180.501 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(127, 188, 176) }
```

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

```
.border{ border-color:rgb(127, 188, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 188, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 188, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 188, 176);  
box-shadow:4px 4px 4px 4px rgb(127, 188,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 22.262, 180.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 188, 176) }
```

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

```
.background{ background-color: rgb(127,  
188, 176) }
```

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