

Converting Colors

CIELCh(72, 21.068, 173.815)

Have a look what the booklet for
CIELCh(72, 21.068, 173.815)
contains.

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Color

CIELCh(72, 20.950, 174.729)

Conversions

Conversions Part 1

Format	Color
Hex	85BBAC
RGB	133, 187, 172
RGB Percent	52%, 73%, 67%
CMY	0.4774, 0.2655, 0.3244
CMYK	0.29, 0.00, 0.08, 0.27
HSL	163°, 29%, 63%
HSV	163°, 29%, 73%
XYZ	35.0195, 43.6590, 45.7511
YIQ	169.1440, -27.3690, -16.1130

Conversions

Conversions Part 2

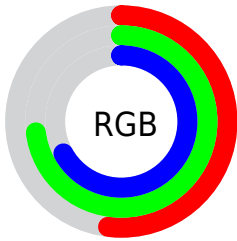
Format	Color
RYB	133, 164, 187
Decimal	8764332
CIELab	72.00, -20.86, 1.92
CIELCh	72, 20.950, 174.729
Yxy	43.6590, 0.2814, 0.3509
Android (android.graphics.Color)	4286954412 (0xFF85BBAC)
YUV	169.1440, 1.4080, -31.6983
Hunter-Lab	66.0750, -21.0268, 5.1994

Details

The CIELCh color **72, 20.950, 174.729** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61, 22.958, 0.659**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 20.980, 174.744**, and **52, 21.209, 174.643** is the 20% darker color. If you saturate the color by 10%, you get **71, 27.626, 173.596**, and if you desaturate by 10%, it is **73, 13.899, 175.775**.

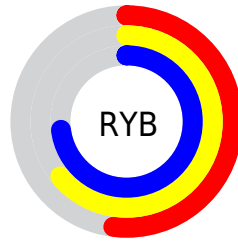
Distribution



Red (52%)

Green (73%)

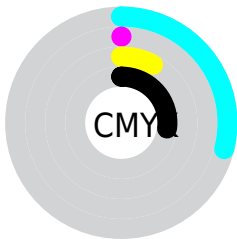
Blue (67%)



Red (52%)

Yellow (64%)

Blue (73%)

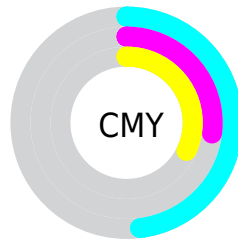


Cyan (29%)

Magenta (0%)

Yellow (8%)

Black (27%)



Cyan (48%)


Magenta (27%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 20.950, 174.729 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, 20.950, 174.729 by changing the saturation by 10% instead.


 72, 20.950,
174.729


 72, 20.950,
174.729


 100, 20.950,
174.729


 62, 20.950,
174.729


 92, 20.950,
174.729

 52, 20.950,
174.729

 42, 20.950,
174.729

 32, 20.950,
174.729

 22, 20.950,
174.729

 12, 20.950,
174.729

 2, 20.950, 174.729

0, 20.950, 174.729

72, 20.950,
174.729

72, 20.950,
174.729

71, 27.626,
173.596

73, 13.899,
175.775

70, 33.801,
172.361

75, 6.589, 176.778

69, 39.356,
170.998

76, 0.875, 357.086

78, 8.405, 358.414

69, 44.195,
169.483

80, 15.928,
359.254

68, 48.258,
167.792

82, 23.390, 0.039

68, 51.545,
165.910

83, 27.493,
357.702

■ 68, 54.188,
163.872

■ 83, 28.504,
352.558

■ 68, 54.484,
163.641

■ 83, 29.744,
347.825

Harmonies

Complementary

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



72, 20.950, 174.729



61, 22.958, 0.659

Rectangle

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



72, 20.950, 174.729



72, 20.950, 224.729



72, 20.950, 354.729



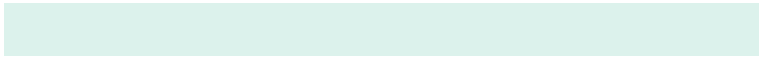
72, 20.950, 44.729

Sweetspot

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



72, 20.951, 174.727



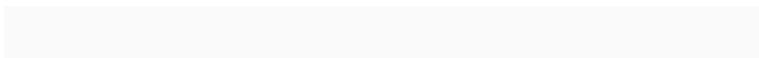
94, 8.266, 176.747



72, 32.793, 134.884



50, 5.784, 176.600



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, 20.951, 174.727



90, 30.917, 173.977



69, 15.525, 222.979



39, 4.248, 176.725



58, 47.851, 163.938



9, 13.987, 169.758

Inverse Universe

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



61, 22.958, 0.659



74, 34.662, 1.642



64, 18.846, 40.907



37, 4.373, 358.334



33, 61.761, 22.334



3, 12.767, 3.827

Previews

White Background



This preview shows how the CIELCh color 72, 20.950, 174.729 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 CIE LCh color 72, 20.950, 174.729 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

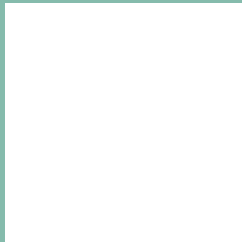
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 20.950, 174.729

Background



This preview shows how black text looks on a background with the CIELCh color 72, 20.950, 174.729.

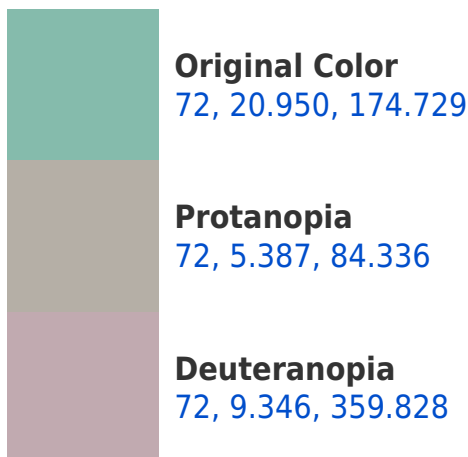


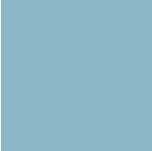
This preview shows how white text looks on a background with the CIELCh color 72, 20.950, 174.729.

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, 16.561, 228.174

Trichromacy



Original Color
72, 20.950, 174.729

Protanomaly
72, 8.268, 152.447

Deuteranomaly
71, 1.945, 183.242

Tritanomaly
72, 16.453, 205.825

Monochromacy



Original Color
72, 20.950, 174.729

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 8.140, 174.974

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 20.950, 174.729 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(133, 187, 172)` looks like.

```
.text, #text, p{  
    color:rgb(133, 187, 172)  
}
```

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(133, 187, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 187, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 20.950, 174.729 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(133, 187, 172) }
```

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

```
.border{ border-color:rgb(133, 187, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 187, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 187, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 187, 172);  
box-shadow:4px 4px 4px 4px rgb(133, 187,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 20.950, 174.729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 187, 172) }
```

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

```
.background{ background-color: rgb(133,  
187, 172) }
```

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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