

Converting Colors

CIELCh(73, 15.022, 193.286)

Have a look what the booklet for
CIELCh(73, 15.022, 193.286)
contains.

CIELCh(73, 14.773, 194.023)	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(73, 14.773, 194.023)

Conversions

Conversions Part 1

Format	Color
Hex	91BBB9
RGB	145, 187, 185
RGB Percent	57%, 73%, 73%
CMY	0.4307, 0.2659, 0.2738
CMYK	0.22, 0.00, 0.01, 0.27
HSL	177°, 24%, 65%
HSV	177°, 22%, 73%
XYZ	38.2934, 45.1644, 52.6988
YIQ	174.2140, -24.3900, -9.5260

Conversions

Conversions Part 2

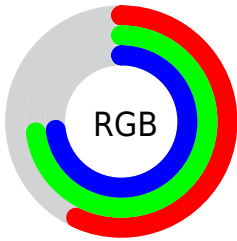
Format	Color
R_{YB}	145, 167, 187
Decimal	9550777
CIE Lab	73.00, -14.33, -3.58
CIE LCh	73, 14.773, 194.023
Yxy	45.1644, 0.2812, 0.3317
Android (android.graphics.Color)	4287740857 (0xFF91BBB9)
YUV	174.2140, 5.3175, -25.6207
Hunter-Lab	67.2044, -15.8977, 0.5505

Details

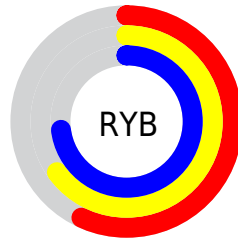
The CIELCh color **73, 14.773, 194.023** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **64, 16.896, 17.329**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 14.582, 194.413**, and **53, 14.975, 193.451** is the 20% darker color. If you saturate the color by 10%, you get **72, 20.652, 193.383**, and if you desaturate by 10%, it is **74, 8.415, 194.686**.

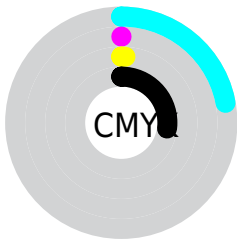
Distribution



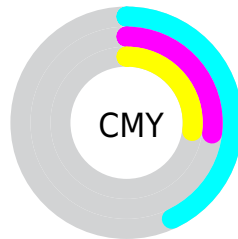
- Red (57%)
- Green (73%)
- Blue (73%)



- Red (57%)
- Yellow (65%)
- Blue (73%)



- Cyan (22%)
- Magenta (0%)
- Yellow (1%)
- Black (27%)





- Cyan (43%)
- Magenta (27%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 14.773, 194.023 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 73, 14.773, 194.023 by changing the saturation by 10% instead.


 73, 14.773,
194.023


 73, 14.773,
194.023


 100, 14.773,
194.023


 63, 14.773,
194.023


 93, 14.773,
194.023

 53, 14.773,
194.023

 43, 14.773,
194.023

 33, 14.773,
194.023

 23, 14.773,
194.023

 13, 14.773,
194.023

 3, 14.773, 194.023

0, 14.773, 194.023

73, 14.773,
194.023

73, 14.773,
194.023

72, 20.652,
193.383

74, 8.415, 194.686

71, 25.937,
192.769

76, 1.686, 195.588

77, 5.314, 15.849

70, 30.523,
192.172

79, 12.496, 16.580

70, 34.325,
191.587

81, 19.788, 17.273

82, 26.149, 17.732

69, 37.286,
191.004

82, 26.134, 16.712

69, 39.399,
190.413

82, 26.127, 15.691

■ 69, 40.709,
189.802

■ 82, 26.130, 14.671

■ 69, 41.327,
189.327

Harmonies

Complementary

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



73, 14.773, 194.023



64, 16.896, 17.329

Rectangle

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



73, 14.773, 194.023



73, 14.773, 244.023



73, 14.773, 14.023



73, 14.773, 64.023

Sweetspot

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



73, 14.774, 194.018



94, 5.908, 195.079



72, 27.457, 141.748



51, 3.865, 195.031



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



73, 14.774, 194.018



91, 21.571, 193.698



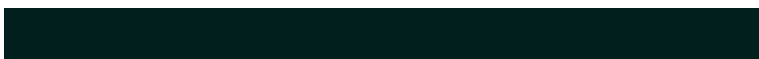
68, 12.937, 252.930



39, 3.886, 194.907



59, 36.453, 189.413



9, 11.909, 191.449

Inverse Universe

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



64, 16.896, 17.329



78, 25.500, 17.909



69, 13.992, 67.248



37, 4.099, 16.056



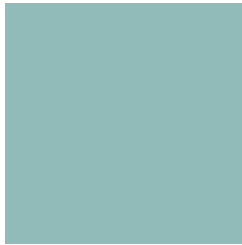
32, 70.975, 37.718



3, 12.273, 16.657

Previews

White Background



This preview shows how the CIELCh color 73, 14.773, 194.023 looks on a white background.

Color Contrast Check

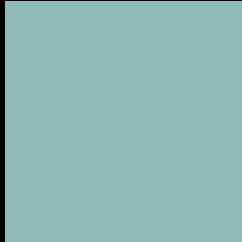
Large Text (above 18pt) WCAG AA × Fail

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 73, 14.773, 194.023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

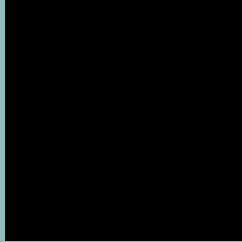
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

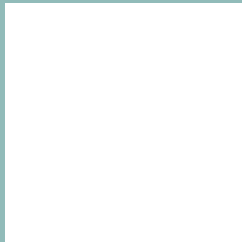
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 14.773, 194.023

Background



This preview shows how black text looks on a background with the CIELCh color 73, 14.773, 194.023.

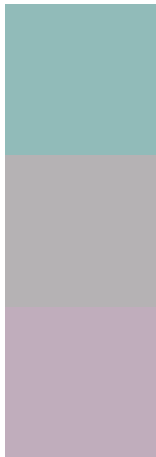


This preview shows how white text looks on a background with the CIELCh color 73, 14.773, 194.023.

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](#).

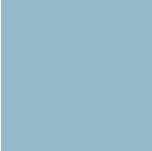
Dichromacy



Original Color
73, 14.773, 194.023

Protanopia
73, 1.575, 335.574

Deuteranopia
73, 10.817, 331.487



Tritanopia
73, 14.704, 232.430

Trichromacy



Original Color
73, 14.773, 194.023

Protanomaly
73, 4.768, 205.683

Deuteranomaly
73, 4.998, 278.036

Tritanomaly
73, 14.071, 218.899

Monochromacy



Original Color
73, 14.773, 194.023

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 5.536, 193.381

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 14.773, 194.023 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(145, 187, 185)` looks like.

```
.text, #text, p{  
    color:rgb(145, 187, 185)  
}
```

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(145, 187, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 187, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 14.773, 194.023 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(145, 187, 185) }
```

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

```
.border{ border-color:rgb(145, 187, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 187, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 187, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 187, 185);  
box-shadow:4px 4px 4px 4px rgb(145, 187,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 14.773, 194.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 187, 185) }
```

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

```
.background{ background-color: rgb(145,  
187, 185) }
```

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