

Converting Colors

CIELCh(73, 19.236, 223.443)

Have a look what the booklet for
CIELCh(73, 19.236, 223.443)
contains.

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Color

CIELCh(73, 19.414, 223.165)

Conversions

Conversions Part 1

Format	Color
Hex	85BCCB
RGB	133, 188, 203
RGB Percent	52%, 74%, 80%
CMY	0.4791, 0.2634, 0.2046
CMYK	0.35, 0.07, 0.00, 0.20
HSL	193°, 40%, 66%
HSV	193°, 35%, 80%
XYZ	38.3471, 45.1644, 63.0822
YIQ	173.2650, -37.5950, -6.9950

Conversions

Conversions Part 2

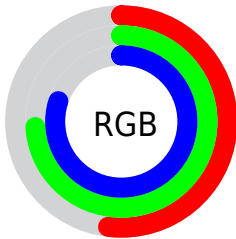
Format	Color
RYB	133, 164, 203
Decimal	8764619
CIELab	73.00, -14.16, -13.28
CIELCh	73, 19.414, 223.165
Yxy	45.1644, 0.2616, 0.3081
Android (android.graphics.Color)	4286954699 (0xFF85BCCB)
YUV	173.2650, 14.6594, -35.3124
Hunter-Lab	67.2044, -15.7552, -8.6101

Details

The CIELCh color **73, 19.414, 223.165** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **66, 24.683, 40.696**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 18.785, 216.054**, and **53, 19.412, 222.714** is the 20% darker color. If you saturate the color by 10%, you get **71, 23.992, 224.265**, and if you desaturate by 10%, it is **75, 14.292, 222.346**.

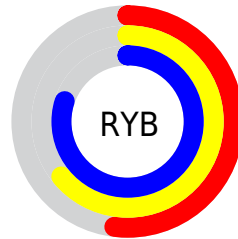
Distribution



Red (52%)

Green (74%)

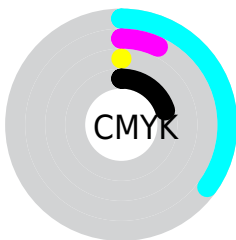
Blue (80%)



Red (52%)

Yellow (64%)

Blue (80%)

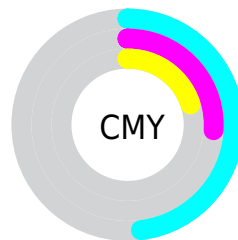


Cyan (35%)

Magenta (7%)

Yellow (0%)

Black (20%)



Cyan (48%)


Magenta (26%)


Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 19.414, 223.165 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, 19.414, 223.165 by changing the saturation by 10% instead.


 73, 19.414,
223.165


 73, 19.414,
223.165


 100, 19.414,
223.165


 63, 19.414,
223.165


 93, 19.414,
223.165

 53, 19.414,
223.165

 43, 19.414,
223.165

 33, 19.414,
223.165

 23, 19.414,
223.165

 13, 19.414,
223.165

 3, 19.414, 223.165

0, 19.414, 223.165

73, 19.414,
223.165

73, 19.414,
223.165

71, 23.992,
224.265

75, 14.292,
222.346

69, 27.940,
225.724

78, 8.718, 221.770

67, 31.192,
227.621

80, 2.779, 221.479

83, 3.445, 40.838

65, 33.718,
230.043

86, 9.886, 40.760

63, 35.543,
233.071

89, 16.486, 40.683

90, 16.126, 49.729

62, 36.769,
236.755

91, 16.039, 59.339

■ 61, 37.319,
238.953

■ 92, 16.408, 68.760

Harmonies

Complementary

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



73, 19.414, 223.165



66, 24.683, 40.696

Rectangle

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



73, 19.414, 223.165



73, 19.414, 273.165



73, 19.414, 43.165



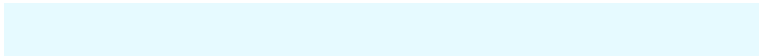
73, 19.414, 93.165

Sweetspot

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



73, 19.414, 223.161



97, 7.318, 221.591



76, 39.683, 147.816



51, 4.975, 221.644



0, 0.000, 0.000



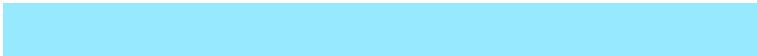
53, 0.007, 296.813

Same Dimension

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



73, 19.414, 223.161



88, 26.972, 223.904



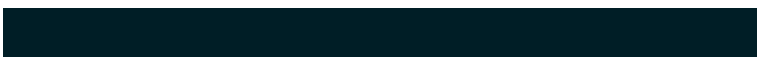
64, 27.912, 279.110



42, 3.470, 221.566



50, 32.055, 238.288



10, 11.737, 228.744

Inverse Universe

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



64, 39.452, 333.298



75, 56.065, 333.802



75, 27.718, 89.321



40, 6.495, 331.591



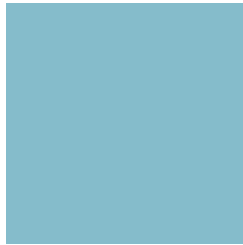
37, 71.024, 338.929



5, 24.369, 336.079

Previews

White Background



This preview shows how the CIELCh color 73, 19.414, 223.165 looks on a white background.

Color Contrast Check

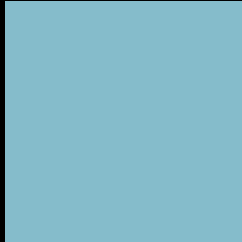
Large Text (above 18pt) WCAG AA × Fail

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, 19.414, 223.165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

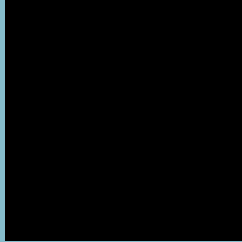
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

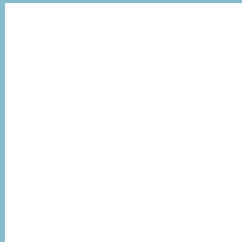
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 19.414, 223.165

Background



This preview shows how black text looks on a background with the CIELCh color 73, 19.414, 223.165.



This preview shows how white text looks on a background with the CIELCh color 73, 19.414, 223.165.

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, 19.414, 223.165

Protanopia

73, 10.334, 291.178

Deuteranopia

73, 17.761, 302.086



Tritanopia
73, 19.414, 223.165

Trichromacy



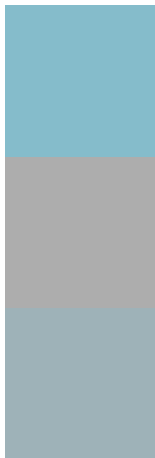
Original Color
73, 19.414, 223.165

Protanomaly
73, 11.400, 253.458

Deuteranomaly
73, 14.799, 272.561

Tritanomaly
73, 19.414, 223.165

Monochromacy



Original Color
73, 19.414, 223.165

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 7.801, 223.822

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 19.414, 223.165 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, 188, 203)` looks like.

```
.text, #text, p{  
    color:rgb(133, 188, 203)  
}
```

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, 188, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 188, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 19.414, 223.165 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, 188, 203) }
```

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

```
.border{ border-color:rgb(133, 188, 203) }
```

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

Here you see how a box with a 4 pixel rgb(133, 188, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 188, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 188, 203);  
box-shadow:4px 4px 4px 4px rgb(133, 188,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 19.414, 223.165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 188, 203) }
```

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

```
.background{ background-color: rgb(133,  
188, 203) }
```

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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