

Converting Colors

CIELCh(73, 10.420, 228.871)

Have a look what the booklet for
CIELCh(73, 10.420, 228.871)
contains.

CIELCh(73, 10.513, 226.587)	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, 10.513, 226.587)

Conversions

Conversions Part 1

Format	Color
Hex	9DB8C1
RGB	157, 184, 193
RGB Percent	62%, 72%, 76%
CMY	0.3852, 0.2794, 0.2441
CMYK	0.19, 0.05, 0.00, 0.24
HSL	195°, 22%, 69%
HSV	195°, 19%, 76%
XYZ	40.5473, 45.1644, 56.8901
YIQ	176.9530, -18.9810, -2.9250

Conversions

Conversions Part 2

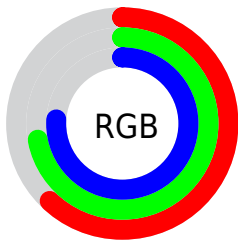
Format	Color
R_{YB}	157, 172, 193
Decimal	10336449
CIE _{Lab}	73.00, -7.23, -7.64
CIE _{LCh}	73, 10.513, 226.587
Yxy	45.1644, 0.2843, 0.3167
Android (android.graphics.Color)	4288526529 (0xFF9DB8C1)
YUV	176.9530, 7.9112, -17.4988
Hunter-Lab	67.2044, -9.9111, -3.1472

Details

The CIELCh color **73, 10.513, 226.587** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **70, 11.797, 44.642**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 10.418, 225.467**, and **53, 10.651, 228.016** is the 20% darker color. If you saturate the color by 10%, you get **70, 15.664, 227.460**, and if you desaturate by 10%, it is **76, 5.008, 225.954**.

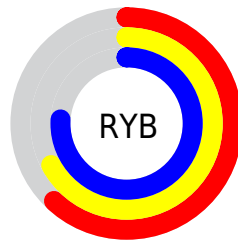
Distribution



Red (62%)

Green (72%)

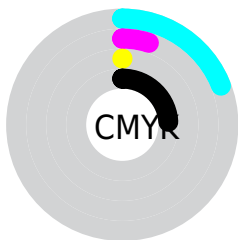
Blue (76%)



Red (62%)

Yellow (67%)

Blue (76%)

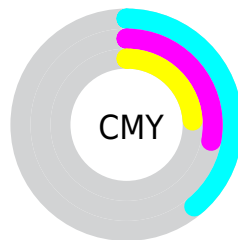


Cyan (19%)

Magenta (5%)

Yellow (0%)

Black (24%)



Cyan (39%)


Magenta (28%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 10.513, 226.587 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, 10.513, 226.587 by changing the saturation by 10% instead.


 73, 10.513,
226.587


 73, 10.513,
226.587


 100, 10.513,
226.587


 63, 10.513,
226.587


 93, 10.513,
226.587

 53, 10.513,
226.587

 43, 10.513,
226.587

 33, 10.513,
226.587

 23, 10.513,
226.587

 13, 10.513,
226.587

 3, 10.513, 226.587

0, 10.513, 226.587

73, 10.513,
226.587

73, 10.513,
226.587

70, 15.664,
227.460

76, 5.008, 225.954

78, 0.779, 44.687

68, 20.382,
228.628

81, 6.783, 44.898

66, 24.588,
230.148

84, 12.949, 44.667

64, 28.215,
232.102

87, 19.231, 44.494

88, 19.437, 52.277

62, 31.221,
234.579

89, 19.432, 61.080

60, 33.609,
237.668

91, 19.888, 69.661

■ 58, 35.441,
241.432

■ 92, 20.772, 77.657

■ 56, 36.897,
245.799

■ 56, 37.093,
246.381

Harmonies

Complementary

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



73, 10.513, 226.587



70, 11.797, 44.642

Rectangle

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



73, 10.513, 226.587



73, 10.513, 276.587



73, 10.513, 46.587



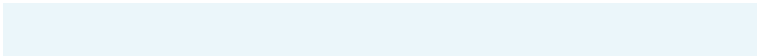
73, 10.513, 96.587

Sweetspot

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



73, 10.513, 226.578



96, 4.303, 225.851



75, 20.143, 150.414



51, 2.849, 225.873



99, 0.012, 296.813



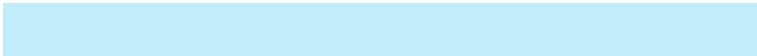
52, 0.007, 296.813

Same Dimension

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



73, 10.513, 226.578



91, 15.135, 226.872



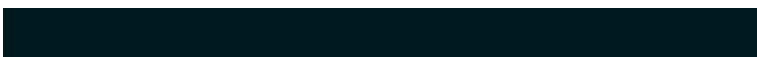
68, 14.824, 278.609



40, 3.282, 225.988



47, 32.290, 245.686



7, 10.357, 236.609

Inverse Universe

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



69, 20.008, 333.552



85, 29.138, 333.811



75, 14.684, 93.838



38, 6.069, 332.910



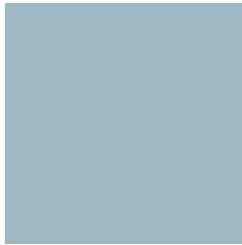
36, 67.695, 341.178



4, 19.102, 337.299

Previews

White Background



This preview shows how the CIELCh color 73, 10.513, 226.587 looks on a white background.

Color Contrast Check

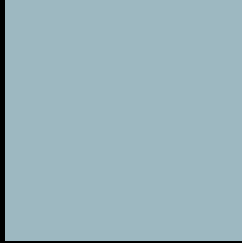
Large Text (above 18pt) WCAG AA × Fail

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 73, 10.513, 226.587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

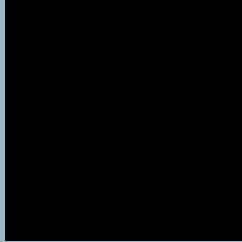
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

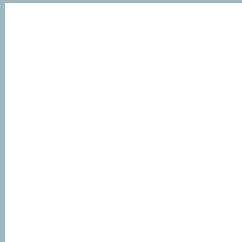
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 10.513, 226.587

Background



This preview shows how black text looks on a background with the CIELCh color 73, 10.513, 226.587.



This preview shows how white text looks on a background with the CIELCh color 73, 10.513, 226.587.

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](#).

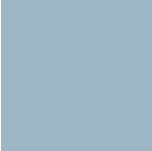
Dichromacy



Original Color
73, 10.513, 226.587

Protanopia
73, 5.997, 294.246

Deuteranopia
73, 12.717, 316.620



Tritanopia
73, 11.702, 243.223

Trichromacy



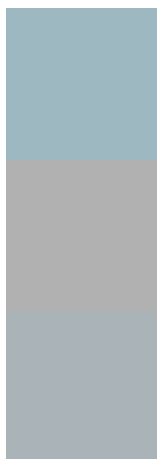
Original Color
73, 10.513, 226.587

Protanomaly
73, 6.265, 259.584

Deuteranomaly
73, 8.697, 288.654

Tritanomaly
73, 11.038, 238.818

Monochromacy



Original Color
73, 10.513, 226.587

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 3.909, 233.165

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 10.513, 226.587 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(157, 184, 193)` looks like.

```
.text, #text, p{  
    color:rgb(157, 184, 193)  
}
```

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(157, 184, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 184, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 10.513, 226.587 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(157, 184, 193) }
```

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

```
.border{ border-color:rgb(157, 184, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 184, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 184, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 184, 193);  
box-shadow:4px 4px 4px 4px rgb(157, 184,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 10.513, 226.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 184, 193) }
```

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

```
.background{ background-color: rgb(157,  
184, 193) }
```

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