

Converting Colors

CIELCh(73, 14.206, 233.917)

Have a look what the booklet for
CIELCh(73, 14.206, 233.917)
contains.

CIELCh(73, 14.184, 233.879)	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, 14.184, 233.879)

Conversions

Conversions Part 1

Format	Color
Hex	96B9C8
RGB	150, 185, 200
RGB Percent	59%, 73%, 78%
CMY	0.4131, 0.2758, 0.2170
CMYK	0.25, 0.08, 0.00, 0.22
HSL	198°, 31%, 68%
HSV	198°, 25%, 78%
XYZ	40.1812, 45.1644, 61.0348
YIQ	176.2450, -25.6750, -2.7550

Conversions

Conversions Part 2

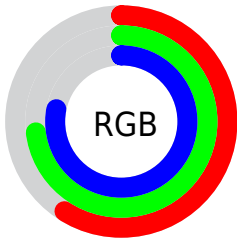
Format	Color
RYB	150, 171, 200
Decimal	9877960
CIELab	73.00, -8.36, -11.46
CIELCh	73, 14.184, 233.879
Yxy	45.1644, 0.2745, 0.3085
Android (android.graphics.Color)	4288068040 (0xFF96B9C8)
YUV	176.2450, 11.7112, -23.0169
Hunter-Lab	67.2044, -10.8835, -6.8038

Details

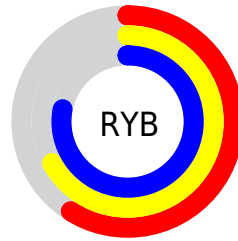
The CIELCh color $73, 14.184, 233.879$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $70, 16.428, 50.010$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $93, 13.740, 230.645$, and $53, 14.127, 233.650$ is the 20% darker color. If you saturate the color by 10%, you get $70, 19.270, 235.239$, and if you desaturate by 10%, it is $76, 8.734, 232.812$.

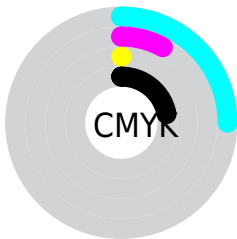
Distribution



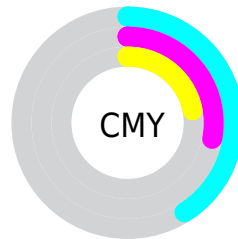
- Red (59%)
- Green (73%)
- Blue (78%)



- Red (59%)
- Yellow (67%)
- Blue (78%)



- Cyan (25%)
- Magenta (8%)
- Yellow (0%)
- Black (22%)





- Cyan (41%)
- Magenta (28%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 14.184, 233.879 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, 14.184, 233.879 by changing the saturation by 10% instead.


 73, 14.184,
233.879


 73, 14.184,
233.879


 100, 14.184,
233.879


 63, 14.184,
233.879


 93, 14.184,
233.879

 53, 14.184,
233.879

 43, 14.184,
233.879

 33, 14.184,
233.879

 23, 14.184,
233.879

 13, 14.184,
233.879

 3, 14.184, 233.879

0, 14.184, 233.879

73, 14.184,
233.879

73, 14.184,
233.879

70, 19.270,
235.239

76, 8.734, 232.812

79, 2.989, 232.071

67, 23.922,
236.974

82, 2.987, 51.064

65, 28.080,
239.161

85, 9.139, 50.651

62, 31.705,
241.890

88, 15.420, 50.260

90, 17.081, 59.175

60, 34.798,
245.247

92, 17.659, 71.268

58, 37.421,
249.284

93, 18.965, 82.092

■ 56, 39.706,
253.981

■ 95, 20.854, 91.183

■ 55, 40.826,
256.398

Harmonies

Complementary

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



73, 14.184, 233.879



70, 16.428, 50.010

Rectangle

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



73, 14.184, 233.879



73, 14.184, 283.879



73, 14.184, 53.879



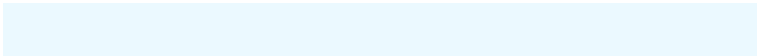
73, 14.184, 103.879

Sweetspot

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



73, 14.184, 233.873



97, 5.753, 232.249



76, 26.784, 151.703



51, 4.075, 232.359



0, 0.000, 0.000



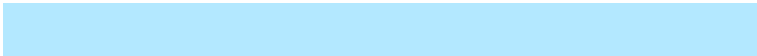
53, 0.007, 296.813

Same Dimension

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



73, 14.184, 233.873



89, 20.413, 234.569



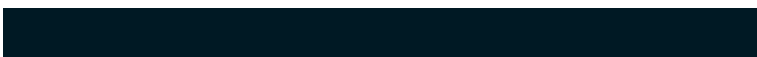
66, 21.877, 282.810



40, 3.324, 232.339



45, 34.911, 255.584



7, 11.375, 244.736

Inverse Universe

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



68, 26.704, 336.053



81, 39.017, 336.477



77, 21.346, 96.445



39, 5.983, 334.886



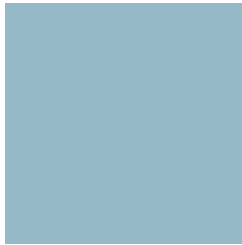
36, 66.225, 344.675



4, 20.566, 340.573

Previews

White Background



This preview shows how the CIELCh color 73, 14.184, 233.879 looks on a white background.

Color Contrast Check

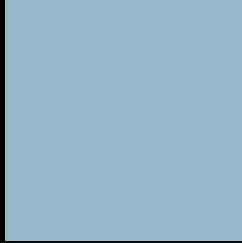
Large Text (above 18pt) WCAG AA × Fail

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, 14.184, 233.879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

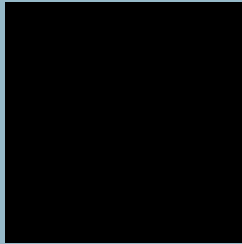
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

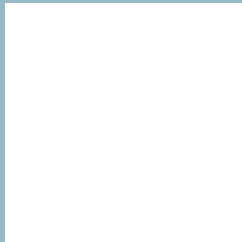
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 14.184, 233.879

Background



This preview shows how black text looks on a background with the CIELCh color 73, 14.184, 233.879.



This preview shows how white text looks on a background with the CIELCh color 73, 14.184, 233.879.

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
73, 13.924, 231.899

Trichromacy



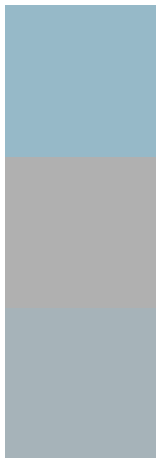
Original Color
73, 14.184, 233.879

Protanomaly
73, 10.201, 264.429

Deuteranomaly
73, 12.631, 281.793

Tritanomaly
73, 13.924, 231.899

Monochromacy



Original Color
73, 14.184, 233.879

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 5.665, 234.438

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 14.184, 233.879 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(150, 185, 200)` looks like.

```
.text, #text, p{  
    color:rgb(150, 185, 200)  
}
```

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(150, 185, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 185, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 14.184, 233.879 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(150, 185, 200) }
```

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

```
.border{ border-color:rgb(150, 185, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 185, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 185, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 185, 200);  
box-shadow:4px 4px 4px 4px rgb(150, 185,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 14.184, 233.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 185, 200) }
```

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

```
.background{ background-color: rgb(150,  
185, 200) }
```

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