

Converting Colors

CIELCh(73, 20.409, 220.883)

Have a look what the booklet for
CIELCh(73, 20.409, 220.883)
contains.

CIELCh(73, 20.447, 221.758)	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, 20.447, 221.758)

Conversions

Conversions Part 1

Format	Color
Hex	81BCCB
RGB	129, 188, 203
RGB Percent	51%, 74%, 80%
CMY	0.4926, 0.2612, 0.2023
CMYK	0.36, 0.07, 0.00, 0.20
HSL	192°, 42%, 65%
HSV	192°, 36%, 80%
XYZ	38.0079, 45.1644, 63.4646
YIQ	172.0690, -39.9790, -7.8430

Conversions

Conversions Part 2

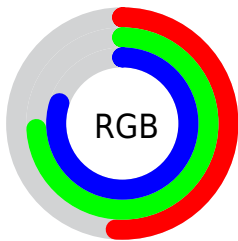
Format	Color
RYB	129, 162, 203
Decimal	8502475
CIELab	73.00, -15.25, -13.62
CIElCh	73, 20.447, 221.758
Yxy	45.1644, 0.2592, 0.3080
Android (android.graphics.Color)	4286692555 (0xFF81BCCB)
YUV	172.0690, 15.2490, -37.7715
Hunter-Lab	67.2044, -16.6560, -8.9475

Details

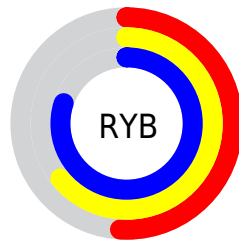
The CIELCh color **73, 20.447, 221.758** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **65, 26.463, 39.597**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 19.906, 214.964**, and **53, 20.583, 221.118** is the 20% darker color. If you saturate the color by 10%, you get **71, 24.921, 222.827**, and if you desaturate by 10%, it is **75, 15.398, 220.969**.

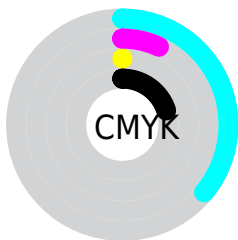
Distribution



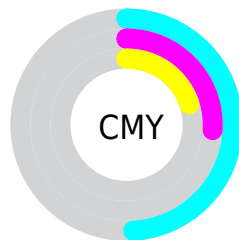
- Red (51%)
- Green (74%)
- Blue (80%)



- Red (51%)
- Yellow (64%)
- Blue (80%)



- Cyan (36%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)





- Cyan (49%)
- Magenta (26%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 20.447, 221.758 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, 20.447, 221.758 by changing the saturation by 10% instead.


 73, 20.447,
221.758


 73, 20.447,
221.758


 100, 20.447,
221.758


 63, 20.447,
221.758


 93, 20.447,
221.758

 53, 20.447,
221.758

 43, 20.447,
221.758

 33, 20.447,
221.758

 23, 20.447,
221.758

 13, 20.447,
221.758

 3, 20.447, 221.758

0, 20.447, 221.758

73, 20.447,
221.758

73, 20.447,
221.758

71, 24.921,
222.827

75, 15.398,
220.969

69, 28.735,
224.253

78, 9.867, 220.418

67, 31.823,
226.113

80, 3.947, 220.107

83, 2.280, 39.470

65, 34.161,
228.490

85, 8.740, 39.497

64, 35.785,
231.464

88, 15.373, 39.455

90, 16.055, 46.683

62, 36.811,
235.071

91, 15.825, 55.858

■ 62, 37.132,
236.446

■ 92, 16.013, 65.038

Harmonies

Complementary

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



73, 20.447, 221.758



65, 26.463, 39.597

Rectangle

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



73, 20.447, 221.758



73, 20.447, 271.758



73, 20.447, 41.758



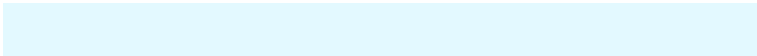
73, 20.447, 91.758

Sweetspot

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



73, 20.447, 221.755



97, 8.073, 220.217



76, 41.890, 147.623



51, 5.405, 220.264



0, 0.000, 0.000



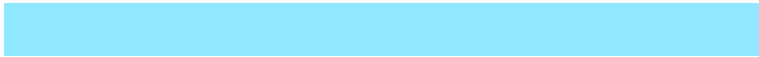
53, 0.007, 296.813

Same Dimension

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



73, 20.447, 221.755



87, 28.648, 222.610



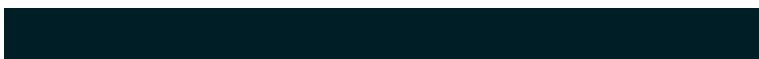
63, 29.554, 279.496



42, 3.489, 220.166



51, 31.843, 235.804



10, 11.740, 226.744

Inverse Universe

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



64, 41.964, 332.990



74, 60.374, 333.569



74, 29.326, 89.070



40, 6.548, 331.178



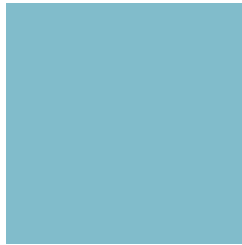
37, 71.625, 338.223



5, 24.602, 335.511

Previews

White Background



This preview shows how the CIELCh color 73, 20.447, 221.758 looks on a white background.

Color Contrast Check

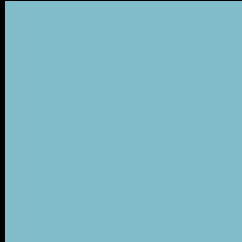
Large Text (above 18pt) WCAG AA × Fail

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, 20.447, 221.758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

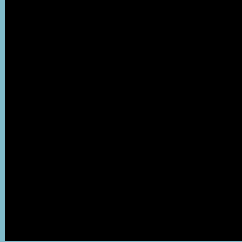
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

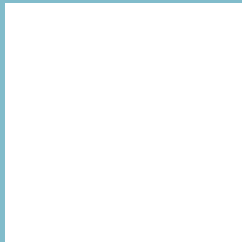
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 20.447, 221.758

Background



This preview shows how black text looks on a background with the CIELCh color 73, 20.447, 221.758.



This preview shows how white text looks on a background with the CIELCh color 73, 20.447, 221.758.

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](#).

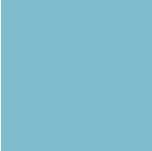
Dichromacy



Original Color
73, 20.447, 221.758

Protanopia
73, 10.334, 289.200

Deuteranopia
73, 17.761, 302.086



Tritanopia
73, 20.598, 223.258

Trichromacy



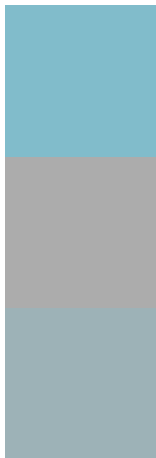
Original Color
73, 20.447, 221.758

Protanomaly
73, 12.209, 252.563

Deuteranomaly
73, 14.902, 271.328

Tritanomaly
73, 20.598, 223.258

Monochromacy



Original Color
73, 20.447, 221.758

Achromatopsia
70, 0.009, 296.813

Achromatomaly
71, 7.944, 219.046

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 20.447, 221.758 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(129, 188, 203)` looks like.

```
.text, #text, p{  
    color:rgb(129, 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(129, 188, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 188, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 20.447, 221.758 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(129, 188, 203) }
```

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

```
.border{ border-color:rgb(129, 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(129, 188, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 188, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 188, 203);  
box-shadow:4px 4px 4px 4px rgb(129, 188,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 20.447, 221.758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 188, 203) }
```

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

```
.background{ background-color: rgb(129,  
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](#).

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