

Converting Colors

CIELCh(73, 21.226, 227.766)

Have a look what the booklet for
CIELCh(73, 21.226, 227.766)
contains.

CIELCh(73, 21.129, 227.620)	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, 21.129, 227.620)

Conversions

Conversions Part 1

Format	Color
Hex	81BCCF
RGB	129, 188, 207
RGB Percent	51%, 74%, 81%
CMY	0.4939, 0.2625, 0.1880
CMYK	0.38, 0.09, 0.00, 0.19
HSL	195°, 45%, 66%
HSV	195°, 38%, 81%
XYZ	38.3217, 45.1644, 65.7601
YIQ	172.5250, -41.2630, -6.5990

Conversions

Conversions Part 2

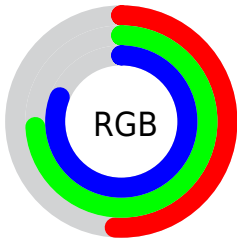
Format	Color
RYB	129, 163, 207
Decimal	8502479
CIELab	73.00, -14.24, -15.61
CIELCh	73, 21.129, 227.620
Yxy	45.1644, 0.2568, 0.3026
Android (android.graphics.Color)	4286692559 (0xFF81BCCF)
YUV	172.5250, 16.9962, -38.1714
Hunter-Lab	67.2044, -15.8226, -10.9726

Details

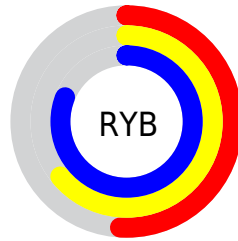
The CIELCh color **73, 21.129, 227.620** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **67, 27.348, 43.640**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 19.906, 214.964**, and **53, 21.215, 227.494** is the 20% darker color. If you saturate the color by 10%, you get **71, 25.621, 229.064**, and if you desaturate by 10%, it is **76, 16.090, 226.513**.

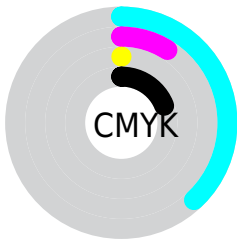
Distribution



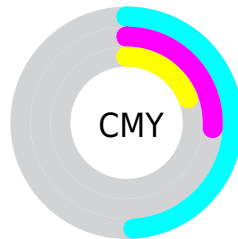
- Red (51%)
- Green (74%)
- Blue (81%)



- Red (51%)
- Yellow (64%)
- Blue (81%)



- Cyan (38%)
- Magenta (9%)
- Yellow (0%)
- Black (19%)





- Cyan (49%)
- Magenta (26%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 21.129, 227.620 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, 21.129, 227.620 by changing the saturation by 10% instead.


 73, 21.129,
227.620


 73, 21.129,
227.620


 100, 21.129,
227.620


 63, 21.129,
227.620


 93, 21.129,
227.620

 53, 21.129,
227.620

 43, 21.129,
227.620

 33, 21.129,
227.620

 23, 21.129,
227.620

 13, 21.129,
227.620

 3, 21.129, 227.620

0, 21.129, 227.620

73, 21.129,
227.620

73, 21.129,
227.620

71, 25.621,
229.064

76, 16.090,
226.513

68, 29.491,
230.934

78, 10.590,
225.687

66, 32.690,
233.317

81, 4.716, 225.121

84, 1.456, 44.168

64, 35.213,
236.303

87, 7.856, 44.137

62, 37.122,
239.962

90, 14.425, 43.935

61, 38.576,
244.273

91, 14.634, 54.975

■ 60, 38.909,
245.298

■ 92, 14.905, 67.078

■ 94, 15.809, 78.227

Harmonies

Complementary

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



73, 21.129, 227.620



67, 27.348, 43.640

Rectangle

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



73, 21.129, 227.620



73, 21.129, 277.620



73, 21.129, 47.620



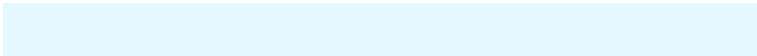
73, 21.129, 97.620

Sweetspot

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



73, 21.129, 227.617



96, 7.940, 225.283



77, 42.885, 148.619



51, 5.317, 225.359



0, 0.000, 0.000



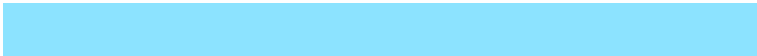
53, 0.007, 296.813

Same Dimension

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



73, 21.129, 227.617



86, 28.917, 228.723



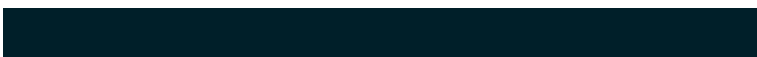
62, 32.440, 282.041



43, 3.501, 225.197



50, 33.228, 244.559



10, 12.279, 234.481

Inverse Universe

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



64, 42.822, 334.691



73, 59.974, 335.300



76, 31.716, 91.400



41, 6.491, 332.675



38, 70.323, 340.819



5, 25.775, 337.828

Previews

White Background



This preview shows how the CIELCh color 73, 21.129, 227.620 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, 21.129, 227.620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

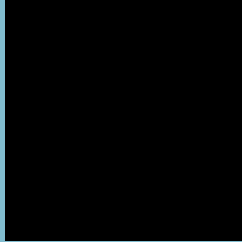
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 21.129, 227.620

Background



This preview shows how black text looks on a background with the CIELCh color 73, 21.129, 227.620.

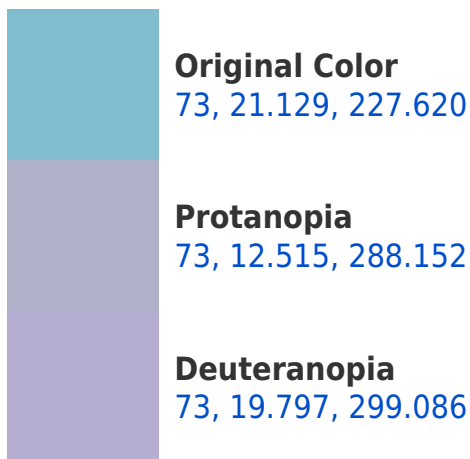


This preview shows how white text looks on a background with the CIELCh color 73, 21.129, 227.620.

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, 20.954, 221.100

Trichromacy



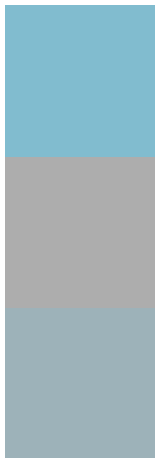
Original Color
73, 21.129, 227.620

Protanomaly
73, 14.096, 257.420

Deuteranomaly
73, 17.127, 272.103

Tritanomaly
73, 21.098, 222.569

Monochromacy



Original Color
73, 21.129, 227.620

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 8.320, 226.334

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 21.129, 227.620 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(129, 188, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 188, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 21.129, 227.620 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, 207) }
```

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

```
.border{ border-color:rgb(129, 188, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 188, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 188, 207);  
box-shadow:4px 4px 4px 4px rgb(129, 188,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 21.129, 227.620 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, 207) }
```

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

```
.background{ background-color: rgb(129,  
188, 207) }
```

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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