

Converting Colors

CIELCh(76, 21.145, 225.670)

Have a look what the booklet for
CIELCh(76, 21.145, 225.670)
contains.

CIELCh(76, 21.140, 225.652)	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(76, 21.140, 225.652)

Conversions

Conversions Part 1

Format	Color
Hex	89C5D7
RGB	137, 197, 215
RGB Percent	54%, 77%, 84%
CMY	0.4645, 0.2292, 0.1587
CMYK	0.36, 0.08, 0.00, 0.16
HSL	194°, 49%, 69%
HSV	194°, 36%, 84%
XYZ	42.3106, 49.8872, 71.3765
YIQ	181.1120, -41.5380, -7.1220

Conversions

Conversions Part 2

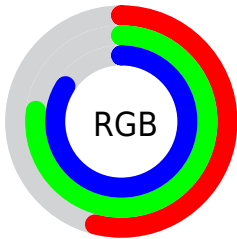
Format	Color
RYB	137, 171, 215
Decimal	9029079
CIELab	76.00, -14.78, -15.12
CIELCh	76, 21.140, 225.652
Yxy	49.8872, 0.2587, 0.3050
Android (android.graphics.Color)	4287219159 (0xFF89C5D7)
YUV	181.1120, 16.7068, -38.6862
Hunter-Lab	70.6309, -16.6757, -10.4742

Details

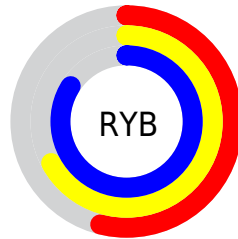
The CIELCh color **76, 21.140, 225.652** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **69, 27.196, 42.349**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 19.875, 199.685**, and **56, 21.071, 225.599** is the 20% darker color. If you saturate the color by 10%, you get **74, 25.819, 226.952**, and if you desaturate by 10%, it is **79, 15.890, 224.667**.

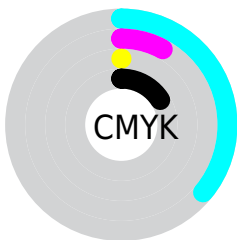
Distribution



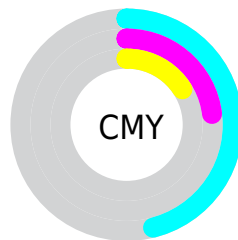
- Red (54%)
- Green (77%)
- Blue (84%)



- Red (54%)
- Yellow (67%)
- Blue (84%)



- Cyan (36%)
- Magenta (8%)
- Yellow (0%)
- Black (16%)





- Cyan (46%)
- Magenta (23%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 21.140, 225.652 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 76, 21.140, 225.652 by changing the saturation by 10% instead.


 76, 21.140,
225.652


 76, 21.140,
225.652


 100, 21.140,
225.652


 66, 21.140,
225.652


 96, 21.140,
225.652

 56, 21.140,
225.652

 46, 21.140,
225.652

 36, 21.140,
225.652

 26, 21.140,
225.652

 16, 21.140,
225.652

 6, 21.140, 225.652

0, 21.140, 225.652

76, 21.140,
225.652

76, 21.140,
225.652

74, 25.819,
226.952

79, 15.890,
224.667

71, 29.846,
228.653

81, 10.163,
223.947

69, 33.160,
230.839

84, 4.049, 223.490

87, 2.369, 42.726

67, 35.746,
233.601

90, 9.021, 42.634

65, 37.652,
237.017

92, 12.300, 49.241

64, 39.015,
241.108

93, 12.330, 63.569

■ 63, 39.472,
242.674

■ 94, 13.108, 76.950

■ 96, 14.508, 88.237

Harmonies

Complementary

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



76, 21.140, 225.652



69, 27.196, 42.349

Rectangle

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



76, 21.140, 225.652



76, 21.140, 275.652



76, 21.140, 45.652



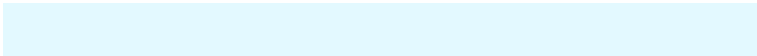
76, 21.140, 95.652

Sweetspot

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



76, 21.140, 225.649



96, 7.975, 223.667



80, 43.164, 148.176



51, 5.340, 223.733



0, 0.000, 0.000



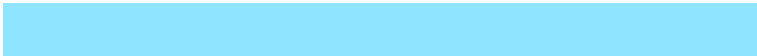
53, 0.007, 296.813

Same Dimension

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



76, 21.140, 225.649



87, 28.447, 226.674



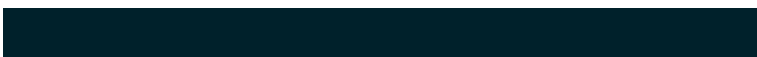
66, 31.497, 280.672



44, 3.587, 223.593



51, 33.205, 241.909



11, 12.698, 232.841

Inverse Universe

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



67, 42.950, 334.081



74, 59.247, 334.688



78, 31.035, 90.329



42, 6.683, 332.196



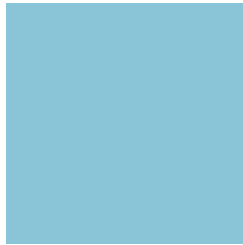
38, 71.748, 339.999



6, 27.811, 337.372

Previews

White Background



This preview shows how the CIELCh color 76, 21.140, 225.652 looks on a white background.

Color Contrast Check

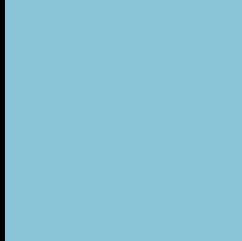
Large Text (above 18pt) WCAG AA × Fail

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 76, 21.140, 225.652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

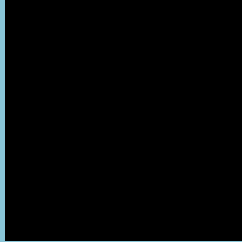
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 21.140, 225.652

Background



This preview shows how black text looks on a background with the CIELCh color 76, 21.140, 225.652.



This preview shows how white text looks on a background with the CIELCh color 76, 21.140, 225.652.

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

76, 21.140, 225.652

Protanopia

76, 11.866, 289.587

Deuteranopia

76, 19.685, 300.038



Tritanopia
76, 21.062, 222.441

Trichromacy



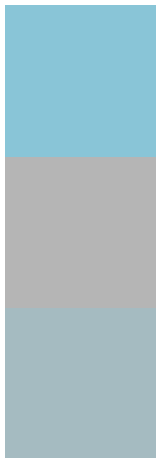
Original Color
76, 21.140, 225.652

Protanomaly
76, 13.394, 257.083

Deuteranomaly
76, 16.901, 273.030

Tritanomaly
76, 21.218, 223.878

Monochromacy



Original Color
76, 21.140, 225.652

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 8.372, 221.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 21.140, 225.652 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(137, 197, 215)` looks like.

```
.text, #text, p{  
    color:rgb(137, 197, 215)  
}
```

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(137, 197, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 197, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 21.140, 225.652 is called "border". The border property can be set on classes, ids or directly on the HTML element.

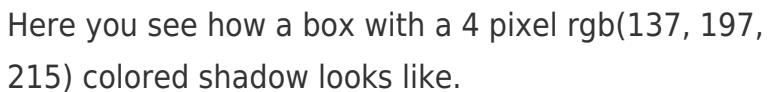
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 197, 215) }
```

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

```
.border{ border-color:rgb(137, 197, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 197, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 197, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 197, 215); box-shadow:4px 4px 4px 4px rgb(137, 197, 215) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 21.140, 225.652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 197, 215) }
```

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

```
.background{ background-color: rgb(137,  
197, 215) }
```

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