

Converting Colors

CIELCh(76, 21.402, 215.511)

Have a look what the booklet for
CIELCh(76, 21.402, 215.511)
contains.

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Color

CIELCh(76, 21.622, 215.494)

Conversions

Conversions Part 1

Format	Color
Hex	85C6D2
RGB	133, 198, 210
RGB Percent	52%, 78%, 82%
CMY	0.4793, 0.2245, 0.1774
CMYK	0.37, 0.06, 0.00, 0.18
HSL	189°, 46%, 67%
HSV	189°, 37%, 82%
XYZ	41.3777, 49.8872, 68.2637
YIQ	179.9330, -42.5920, -10.0480

Conversions

Conversions Part 2

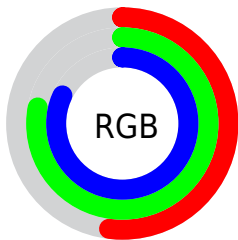
Format	Color
R _{YB}	133, 168, 210
Decimal	8767186
CIE _{Lab}	76.00, -17.60, -12.55
CIE _{LCh}	76, 21.622, 215.494
Y _{xy}	49.8872, 0.2594, 0.3127
Android (android.graphics.Color)	4286957266 (0xFF85C6D2)
YUV	179.9330, 14.8230, -41.1602
Hunter-Lab	70.6309, -19.0335, -7.8612

Details

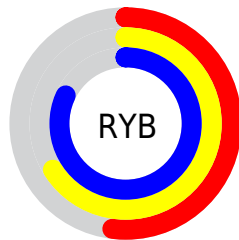
The CIELCh color **76, 21.622, 215.494** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **66, 28.260, 35.217**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 21.394, 198.100**, and **56, 21.594, 216.340** is the 20% darker color. If you saturate the color by 10%, you get **74, 26.229, 216.196**, and if you desaturate by 10%, it is **78, 16.373, 215.017**.

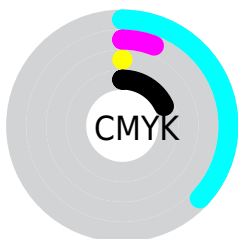
Distribution



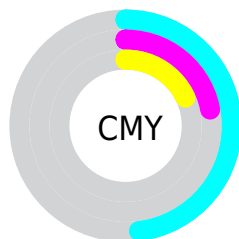
- Red (52%)
- Green (78%)
- Blue (82%)



- Red (52%)
- Yellow (66%)
- Blue (82%)



- Cyan (37%)
- Magenta (6%)
- Yellow (0%)
- Black (18%)



- Cyan (48%)
- Magenta (22%)
- Yellow (18%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 21.622, 215.494 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, 21.622, 215.494 by changing the saturation by 10% instead.

 76, 21.622,
215.494

 76, 21.622,
215.494

 100, 21.622,
215.494

 66, 21.622,
215.494


 96, 21.622,
215.494

 56, 21.622,
215.494

 46, 21.622,
215.494

 36, 21.622,
215.494

 26, 21.622,
215.494

 16, 21.622,
215.494

 6, 21.622, 215.494

0, 21.622, 215.494

76, 21.622,
215.494

76, 21.622,
215.494

74, 26.229,
216.196

78, 16.373,
215.017

72, 30.097,
217.185

80, 10.588,
214.735

71, 33.153,
218.519

83, 4.368, 214.653

85, 2.192, 34.215

69, 35.362,
220.266

87, 9.011, 34.450

68, 36.750,
222.493

90, 14.670, 35.832

67, 37.426,
225.239

91, 14.088, 43.605

■ 67, 37.584,
226.202

■ 91, 13.788, 51.872

■ 92, 13.790, 60.306

Harmonies

Complementary

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



76, 21.622, 215.494



66, 28.260, 35.217

Rectangle

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



76, 21.622, 215.494



76, 21.622, 265.494



76, 21.622, 35.494



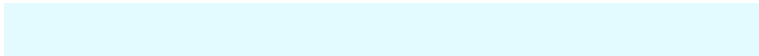
76, 21.622, 85.494

Sweetspot

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



76, 21.622, 215.491



97, 8.300, 214.657



78, 44.929, 145.972



51, 5.556, 214.670



0, 0.000, 0.000



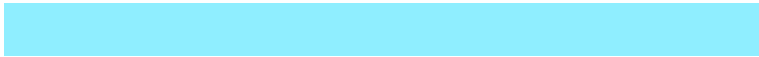
53, 0.007, 296.813

Same Dimension

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



76, 21.622, 215.491



89, 29.281, 216.017



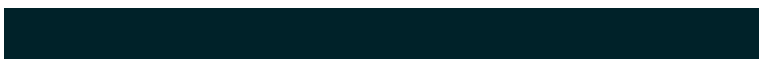
65, 28.698, 275.818



43, 3.661, 214.647



54, 31.909, 225.684



11, 12.312, 219.280

Inverse Universe

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



65, 44.806, 331.298



74, 62.321, 331.800



76, 29.141, 84.969



41, 6.908, 329.568



38, 75.018, 335.524



5, 27.592, 333.639

Previews

White Background



This preview shows how the CIELCh color 76, 21.622, 215.494 looks on a white background.

Color Contrast Check

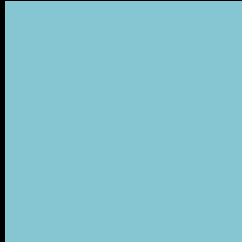
Large Text (above 18pt) WCAG AA × Fail

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, 21.622, 215.494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

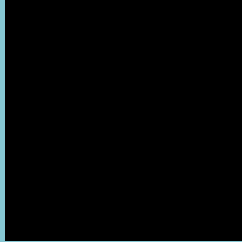
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 21.622, 215.494

Background



This preview shows how black text looks on a background with the CIELCh color 76, 21.622, 215.494.



This preview shows how white text looks on a background with the CIELCh color 76, 21.622, 215.494.

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

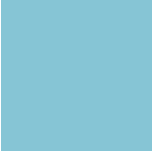
76, 21.622, 215.494

Protanopia

76, 9.172, 291.040

Deuteranopia

76, 17.159, 303.504



Tritanopia
76, 21.567, 221.804

Trichromacy



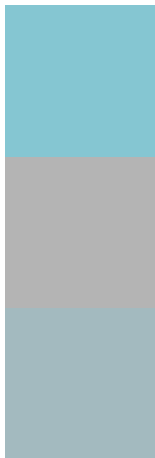
Original Color
76, 21.622, 215.494

Protanomaly
76, 11.405, 244.303

Deuteranomaly
76, 14.158, 265.646

Tritanomaly
76, 21.431, 220.375

Monochromacy



Original Color
76, 21.622, 215.494

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 8.541, 217.398

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 21.622, 215.494 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(133, 198, 210)` looks like.

```
.text, #text, p{  
    color:rgb(133, 198, 210)  
}
```

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(133, 198, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 198, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 21.622, 215.494 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(133, 198, 210) }
```

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

```
.border{ border-color:rgb(133, 198, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 198, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 198, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 198, 210);  
box-shadow:4px 4px 4px 4px rgb(133, 198,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 21.622, 215.494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 198, 210) }
```

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

```
.background{ background-color: rgb(133,  
198, 210) }
```

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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