

Converting Colors

CIELCh(76, 22.415, 208.732)

Have a look what the booklet for
CIELCh(76, 22.415, 208.732)
contains.

CIELCh(76, 22.445, 207.568)	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, 22.445, 207.568)

Conversions

Conversions Part 1

Format	Color
Hex	82C7CE
RGB	130, 199, 206
RGB Percent	51%, 78%, 81%
CMY	0.4913, 0.2207, 0.1932
CMYK	0.37, 0.03, 0.00, 0.19
HSL	186°, 44%, 66%
HSV	186°, 37%, 81%
XYZ	40.6312, 49.8872, 65.7043
YIQ	179.1670, -43.3710, -12.4510

Conversions

Conversions Part 2

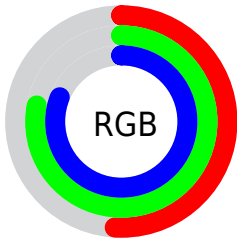
Format	Color
RYB	130, 166, 206
Decimal	8570830
CIELab	76.00, -19.90, -10.39
CIELCh	76, 22.445, 207.568
Yxy	49.8872, 0.2601, 0.3193
Android (android.graphics.Color)	4286760910 (0xFF82C7CE)
YUV	179.1670, 13.2287, -43.1195
Hunter-Lab	70.6309, -20.9199, -5.7128

Details

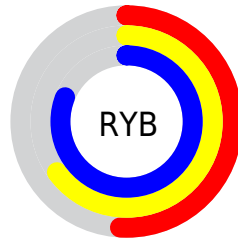
The CIELCh color **76, 22.445, 207.568** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **64, 29.398, 29.745**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 22.269, 198.045**, and **56, 22.361, 207.849** is the 20% darker color. If you saturate the color by 10%, you get **75, 27.151, 207.782**, and if you desaturate by 10%, it is **78, 17.057, 207.501**.

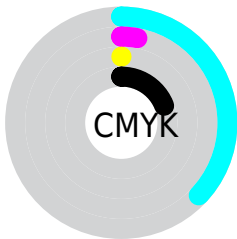
Distribution



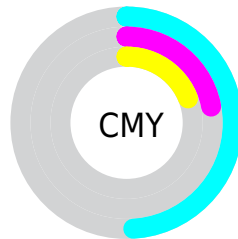
- Red (51%)
- Green (78%)
- Blue (81%)



- Red (51%)
- Yellow (65%)
- Blue (81%)



- Cyan (37%)
- Magenta (3%)
- Yellow (0%)
- Black (19%)




- Cyan (49%)
- Magenta (22%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 22.445, 207.568 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, 22.445, 207.568 by changing the saturation by 10% instead.

 76, 22.445,
207.568

 76, 22.445,
207.568


 100, 22.445,
207.568


 66, 22.445,
207.568


 96, 22.445,
207.568

 56, 22.445,
207.568

 46, 22.445,
207.568

 36, 22.445,
207.568

 26, 22.445,
207.568

 16, 22.445,
207.568

 6, 22.445, 207.568

0, 22.445, 207.568

76, 22.445,
207.568

76, 22.445,
207.568

75, 27.151,
207.782

78, 17.057,
207.501

73, 31.074,
208.181

79, 11.096,
207.568

72, 34.137,
208.797

81, 4.674, 207.785

83, 2.108, 27.616

71, 36.303,
209.663

85, 9.160, 28.106

70, 37.590,
210.813

88, 16.404, 28.459

70, 38.097,
212.268

88, 16.576, 31.767

■ 69, 38.183,
212.743

■ 89, 16.116, 35.575

■ 89, 15.732, 39.587

Harmonies

Complementary

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



76, 22.445, 207.568



64, 29.398, 29.745

Rectangle

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



76, 22.445, 207.568



76, 22.445, 257.568



76, 22.445, 27.568



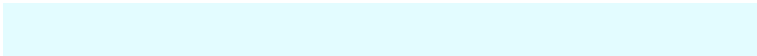
76, 22.445, 77.568

Sweetspot

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



76, 22.445, 207.565



97, 8.723, 207.668



76, 46.652, 143.966



52, 5.839, 207.639



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, 22.445, 207.565



91, 30.678, 207.715



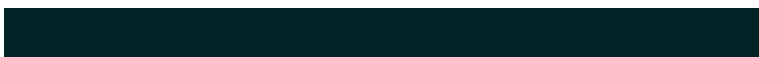
66, 26.153, 270.107



42, 3.771, 207.710



57, 32.556, 212.465



11, 12.334, 208.818

Inverse Universe

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



64, 46.344, 329.165



74, 65.062, 329.598



73, 27.541, 79.012



40, 7.078, 327.546



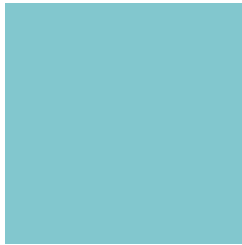
38, 77.923, 332.238



5, 26.959, 330.710

Previews

White Background



This preview shows how the CIELCh color 76, 22.445, 207.568 looks on a white background.

Color Contrast Check

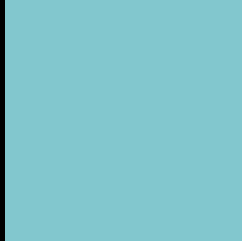
Large Text (above 18pt) WCAG AA × Fail

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, 22.445, 207.568 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

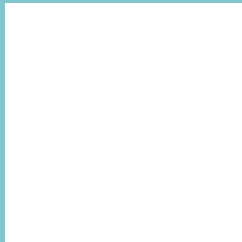
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 22.445, 207.568

Background



This preview shows how black text looks on a background with the CIELCh color 76, 22.445, 207.568.

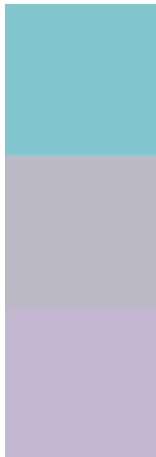


This preview shows how white text looks on a background with the CIELCh color 76, 22.445, 207.568.

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, 22.445, 207.568

Protanopia

76, 7.063, 296.705

Deuteranopia

76, 15.246, 307.723

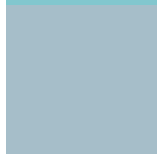


Tritanopia
76, 22.188, 219.509

Trichromacy



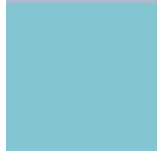
Original Color
76, 22.445, 207.568



Protanomaly
76, 10.118, 234.931



Deuteranomaly
76, 12.132, 262.239

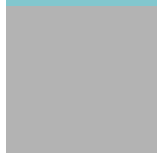


Tritanomaly
76, 22.145, 215.034

Monochromacy



Original Color
76, 22.445, 207.568



Achromatopsia
73, 0.009, 296.813



Achromatomaly
74, 9.002, 209.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 22.445, 207.568 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(130, 199, 206)` looks like.

```
.text, #text, p{  
    color:rgb(130, 199, 206)  
}
```

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(130, 199, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 199, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 22.445, 207.568 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(130, 199, 206) }
```

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

```
.border{ border-color:rgb(130, 199, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 199, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 199, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 199, 206); box-shadow:4px 4px 4px 4px rgb(130, 199, 206) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 22.445, 207.568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 199, 206) }
```

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

```
.background{ background-color: rgb(130,  
199, 206) }
```

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