

Converting Colors

CIELCh(80, 18.435, 224.941)

Have a look what the booklet for
CIELCh(80, 18.435, 224.941)
contains.

CIELCh(80, 18.500, 224.091)	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(80, 18.500, 224.091)

Conversions

Conversions Part 1

Format	Color
Hex	9BCFDE
RGB	155, 207, 222
RGB Percent	61%, 81%, 87%
CMY	0.3933, 0.1894, 0.1306
CMYK	0.30, 0.07, 0.00, 0.13
HSL	193°, 50%, 74%
HSV	193°, 30%, 87%
XYZ	48.8489, 56.6813, 77.2642
YIQ	193.1620, -35.8070, -6.3590

Conversions

Conversions Part 2

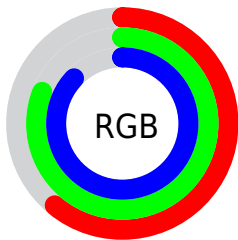
Format	Color
R _{YB}	155, 184, 222
Decimal	10211294
CIE _{Lab}	80.00, -13.29, -12.87
CIE _{LCh}	80, 18.500, 224.091
Yxy	56.6813, 0.2672, 0.3101
Android (android.graphics.Color)	4288401374 (0xFF9BCFDE)
YUV	193.1620, 14.2171, -33.4681
Hunter-Lab	75.2870, -15.9350, -8.1462

Details

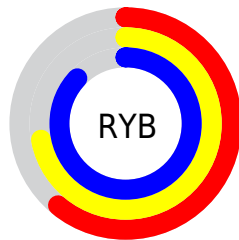
The CIELCh color **80, 18.500, 224.091** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **74, 22.720, 41.645**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 14.683, 198.527**, and **60, 18.649, 223.317** is the 20% darker color. If you saturate the color by 10%, you get **77, 23.671, 225.140**, and if you desaturate by 10%, it is **83, 12.792, 223.311**.

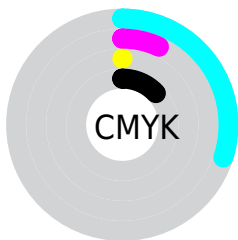
Distribution



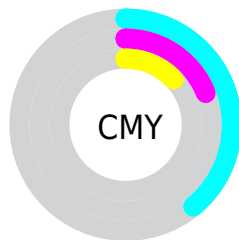
- Red (61%)
- Green (81%)
- Blue (87%)



- Red (61%)
- Yellow (72%)
- Blue (87%)



- Cyan (30%)
- Magenta (7%)
- Yellow (0%)
- Black (13%)





- Cyan (39%)
- Magenta (19%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 18.500, 224.091 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 80, 18.500, 224.091 by changing the saturation by 10% instead.


 80, 18.500,
224.091


 80, 18.500,
224.091


 100, 18.500,
224.091


 70, 18.500,
224.091


 60, 18.500,
224.091

 50, 18.500,
224.091

 40, 18.500,
224.091

 30, 18.500,
224.091

 20, 18.500,
224.091

 10, 18.500,

224.091

0, 18.500, 224.091

80, 18.500,
224.091

80, 18.500,
224.091

77, 23.671,
225.140

83, 12.792,
223.311

75, 28.211,
226.535

85, 6.644, 222.776

73, 32.039,
228.354

88, 0.146, 226.241

91, 6.622, 41.911

71, 35.107,
230.684

93, 9.999, 50.046

69, 37.420,
233.616

95, 10.177, 67.575

96, 11.235, 83.060

■ 67, 39.058,
237.213

■ 97, 12.952, 95.100

■ 66, 40.231,
241.294

■ 98, 15.098,
103.967

Harmonies

Complementary

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



80, 18.500, 224.091



74, 22.720, 41.645

Rectangle

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



80, 18.500, 224.091



80, 18.500, 274.091



80, 18.500, 44.091



80, 18.500, 94.091

Sweetspot

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



80, 18.500, 224.087



97, 6.576, 222.733



83, 36.956, 148.787



51, 4.553, 222.790



0, 0.000, 0.000



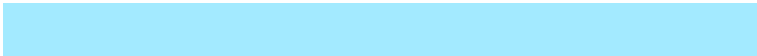
53, 0.007, 296.813

Same Dimension

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



80, 18.500, 224.087



89, 24.127, 224.688



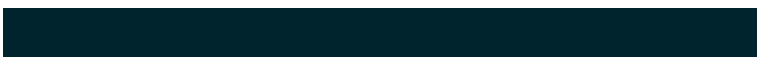
71, 26.702, 279.474



45, 3.667, 222.746



52, 33.388, 240.503



12, 13.136, 232.169

Inverse Universe

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



72, 36.963, 333.374



78, 49.165, 333.811



82, 26.407, 91.129



43, 6.847, 331.945



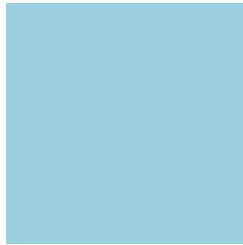
39, 72.884, 339.577



6, 29.522, 337.205

Previews

White Background



This preview shows how the CIE LCh color 80, 18.500, 224.091 looks on a white background.

Color Contrast Check

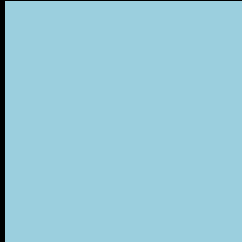
Large Text (above 18pt) WCAG AA × Fail

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 80, 18.500, 224.091 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

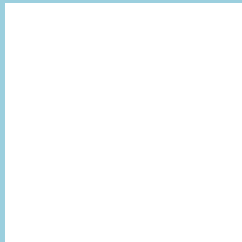
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 18.500, 224.091

Background



This preview shows how black text looks on a background with the CIELCh color 80, 18.500, 224.091.



This preview shows how white text looks on a background with the CIELCh color 80, 18.500, 224.091.

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

80, 18.500, 224.091

Protanopia

80, 10.141, 291.090

Deuteranopia

80, 17.573, 304.243



Tritanopia
80, 18.621, 227.691

Trichromacy



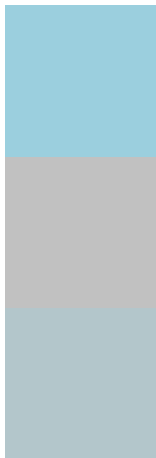
Original Color
80, 18.500, 224.091

Protanomaly
80, 11.030, 254.630

Deuteranomaly
80, 14.353, 274.855

Tritanomaly
80, 18.621, 227.691

Monochromacy



Original Color
80, 18.500, 224.091

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 7.179, 220.927

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 18.500, 224.091 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(155, 207, 222)` looks like.

```
.text, #text, p{  
    color:rgb(155, 207, 222)  
}
```

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(155, 207, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 207, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 18.500, 224.091 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(155, 207, 222) }
```

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

```
.border{ border-color:rgb(155, 207, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 207, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 207, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 207, 222);  
box-shadow:4px 4px 4px 4px rgb(155, 207,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 18.500, 224.091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 207, 222) }
```

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

```
.background{ background-color: rgb(155,  
207, 222) }
```

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