

Converting Colors

CIELCh(80, 19.600, 222.808)

Have a look what the booklet for
CIELCh(80, 19.600, 222.808)
contains.

CIELCh(80, 19.720, 224.062)	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, 19.720, 224.062)

Conversions

Conversions Part 1

Format	Color
Hex	97CFDF
RGB	151, 207, 223
RGB Percent	59%, 81%, 87%
CMY	0.4069, 0.1873, 0.1246
CMYK	0.32, 0.07, 0.00, 0.12
HSL	193°, 53%, 73%
HSV	193°, 32%, 88%
XYZ	48.5264, 56.6813, 78.3630
YIQ	192.0800, -38.5120, -6.8960

Conversions

Conversions Part 2

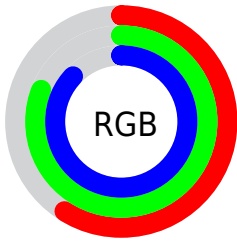
Format	Color
R_{YB}	151, 183, 223
Decimal	9949151
CIE _{Lab}	80.00, -14.17, -13.71
CIE _{LCh}	80, 19.720, 224.062
Yxy	56.6813, 0.2643, 0.3088
Android (android.graphics.Color)	4288139231 (0xFF97CFDF)
YUV	192.0800, 15.2436, -36.0272
Hunter-Lab	75.2870, -16.6995, -9.0116

Details

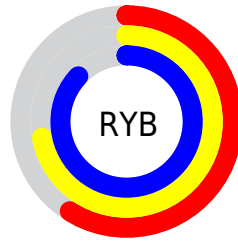
The CIELCh color `80, 19.720, 224.062` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `73, 24.620, 41.482`, and the grayscale version is `78, 0.009, 296.813`.

A 20% lighter version of the original color is `97, 15.940, 198.446`, and `60, 19.809, 223.498` is the 20% darker color. If you saturate the color by 10%, you get `78, 24.797, 225.164`, and if you desaturate by 10%, it is `83, 14.081, 223.240`.

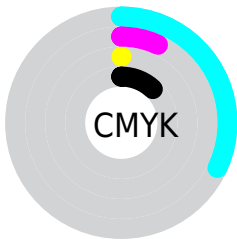
Distribution



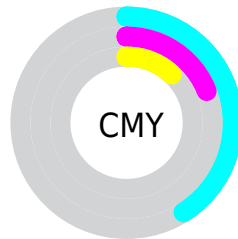
- Red (59%)
- Green (81%)
- Blue (87%)



- Red (59%)
- Yellow (72%)
- Blue (87%)



- Cyan (32%)
- Magenta (7%)
- Yellow (0%)
- Black (12%)





- Cyan (41%)
- Magenta (19%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 19.720, 224.062 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, 19.720, 224.062 by changing the saturation by 10% instead.


 80, 19.720,
224.062


 80, 19.720,
224.062


 100, 19.720,
224.062


 70, 19.720,
224.062


 60, 19.720,
224.062

 50, 19.720,
224.062

 40, 19.720,
224.062

 30, 19.720,
224.062

 20, 19.720,
224.062

 10, 19.720,

224.062

0, 19.720, 224.062

80, 19.720,
224.062

80, 19.720,
224.062

78, 24.797,
225.164

83, 14.081,
223.240

75, 29.218,
226.626

85, 7.979, 222.664

73, 32.907,
228.527

88, 1.505, 222.546

91, 5.257, 41.750

71, 35.823,
230.956

94, 9.556, 47.994

69, 37.987,
234.000

95, 9.649, 66.438

96, 10.675, 82.822

■ 67, 39.495,
237.716

■ 97, 12.397, 95.434

■ 66, 40.390,
240.965

■ 98, 14.562,
104.578

Harmonies

Complementary

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



80, 19.720, 224.062



73, 24.620, 41.482

Rectangle

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



80, 19.720, 224.062



80, 19.720, 274.062



80, 19.720, 44.062



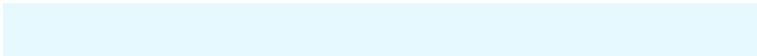
80, 19.720, 94.062

Sweetspot

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



80, 19.720, 224.058



97, 7.293, 222.572



83, 39.641, 148.586



51, 4.958, 222.630



0, 0.000, 0.000



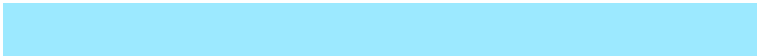
53, 0.007, 296.813

Same Dimension

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



80, 19.720, 224.058



88, 25.825, 224.802



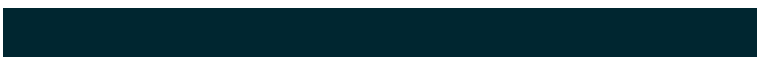
70, 28.731, 279.867



46, 3.739, 222.548



53, 33.716, 240.211



13, 13.585, 232.378

Inverse Universe

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



71, 39.690, 333.459



77, 53.169, 333.969



82, 28.381, 90.860



44, 6.986, 331.888



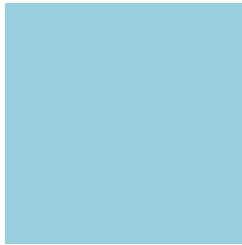
40, 73.749, 339.490



7, 30.913, 337.275

Previews

White Background



This preview shows how the CIELCh color 80, 19.720, 224.062 looks on a white background.

Color Contrast Check

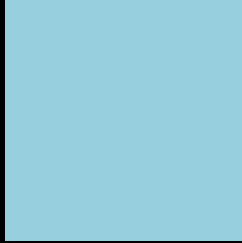
Large Text (above 18pt) WCAG AA × Fail

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, 19.720, 224.062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

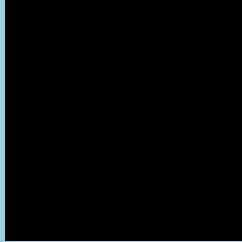
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

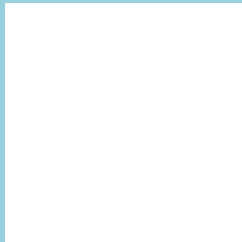
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 19.720, 224.062

Background



This preview shows how black text looks on a background with the CIELCh color 80, 19.720, 224.062.



This preview shows how white text looks on a background with the CIELCh color 80, 19.720, 224.062.

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

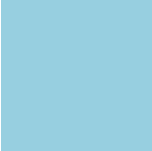
80, 19.720, 224.062

Protanopia

80, 10.674, 291.136

Deuteranopia

80, 18.021, 302.810

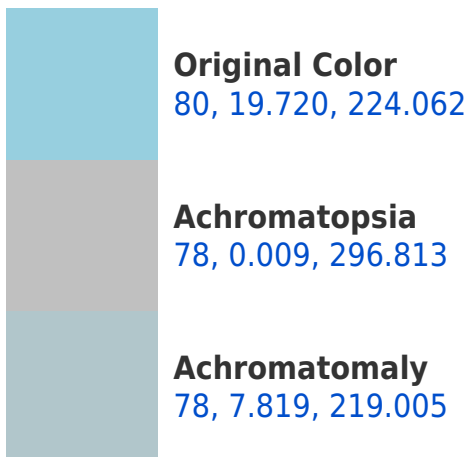


Tritanopia
80, 19.895, 225.555

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 19.720, 224.062 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(151, 207, 223)` looks like.

```
.text, #text, p{  
    color:rgb(151, 207, 223)  
}
```

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(151, 207, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 207, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 19.720, 224.062 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(151, 207, 223) }
```

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

```
.border{ border-color:rgb(151, 207, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 207, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 207, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 207, 223); box-shadow:4px 4px 4px 4px rgb(151, 207, 223) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 19.720, 224.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 207, 223) }
```

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

```
.background{ background-color: rgb(151,  
207, 223) }
```

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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