

Converting Colors

CIELCh(80, 13.667, 224.149)

Have a look what the booklet for
CIELCh(80, 13.667, 224.149)
contains.

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Color

CIELCh(80, 13.659, 224.142)

Conversions

Conversions Part 1

Format	Color
Hex	A8CDD8
RGB	168, 205, 216
RGB Percent	66%, 80%, 85%
CMY	0.3428, 0.1977, 0.1546
CMYK	0.22, 0.05, 0.00, 0.15
HSL	194°, 38%, 75%
HSV	194°, 22%, 85%
XYZ	50.1354, 56.6813, 72.9805
YIQ	195.1910, -25.5830, -4.4230

Conversions

Conversions Part 2

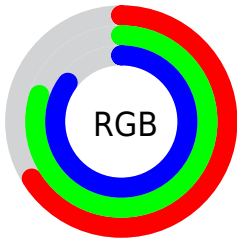
Format	Color
RYB	168, 189, 216
Decimal	11062744
CIELab	80.00, -9.80, -9.51
CIElCh	80, 13.659, 224.142
Yxy	56.6813, 0.2788, 0.3153
Android (android.graphics.Color)	4289252824 (0xFFA8CDD8)
YUV	195.1910, 10.2588, -23.8465
Hunter-Lab	75.2870, -12.8849, -4.7727

Details

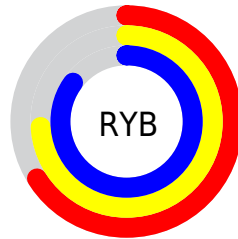
The CIELCh color **80, 13.659, 224.142** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **76, 15.784, 42.266**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 10.500, 198.806**, and **60, 13.622, 223.028** is the 20% darker color. If you saturate the color by 10%, you get **77, 19.137, 224.994**, and if you desaturate by 10%, it is **83, 7.737, 223.523**.

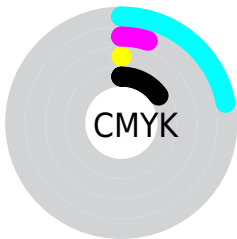
Distribution



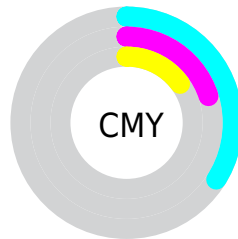
- Red (66%)
- Green (80%)
- Blue (85%)



- Red (66%)
- Yellow (74%)
- Blue (85%)



- Cyan (22%)
- Magenta (5%)
- Yellow (0%)
- Black (15%)





- Cyan (34%)
- Magenta (20%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 13.659, 224.142 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, 13.659, 224.142 by changing the saturation by 10% instead.


 80, 13.659,
224.142


 80, 13.659,
224.142


 100, 13.659,
224.142


 70, 13.659,
224.142


 60, 13.659,
224.142

 50, 13.659,
224.142

 40, 13.659,
224.142

 30, 13.659,
224.142

 20, 13.659,
224.142

 10, 13.659,

224.142

0, 13.659, 224.142

80, 13.659,
224.142

80, 13.659,
224.142

77, 19.137,
224.994

83, 7.737, 223.523

75, 24.079,
226.147

86, 1.461, 223.371

88, 5.091, 42.546

73, 28.395,
227.662

91, 11.852, 42.389

70, 32.013,
229.624

93, 11.884, 56.121

94, 12.293, 70.542

68, 34.896,
232.123

95, 13.412, 83.235

■ 67, 37.064,
235.244

■ 96, 15.078, 93.498

■ 65, 38.612,
239.043

■ 98, 17.124,
101.464

■ 64, 39.562,
242.348

Harmonies

Complementary

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



80, 13.659, 224.142



76, 15.784, 42.266

Rectangle

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



80, 13.659, 224.142



80, 13.659, 274.142



80, 13.659, 44.142



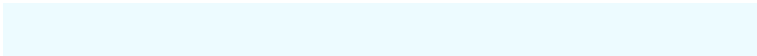
80, 13.659, 94.142

Sweetspot

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



80, 13.659, 224.135



98, 5.129, 223.314



82, 26.638, 149.514



52, 3.328, 223.332



0, 0.000, 0.000



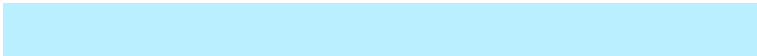
53, 0.007, 296.813

Same Dimension

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



80, 13.659, 224.135



91, 18.683, 224.532



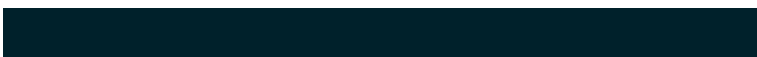
74, 19.058, 278.059



44, 3.589, 223.396



51, 33.160, 241.572



11, 12.693, 232.558

Inverse Universe

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



74, 26.534, 333.013



83, 36.890, 333.364



82, 18.914, 92.163



42, 6.690, 332.137



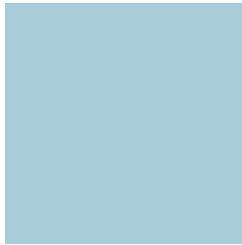
38, 71.830, 339.897



6, 27.844, 337.292

Previews

White Background



This preview shows how the CIE LCh color 80, 13.659, 224.142 looks on a white background.

Color Contrast Check

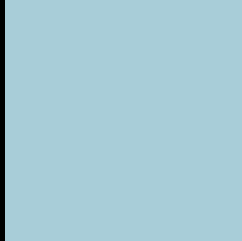
Large Text (above 18pt) WCAG AA × Fail

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, 13.659, 224.142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

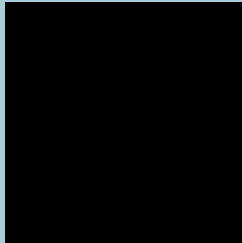
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

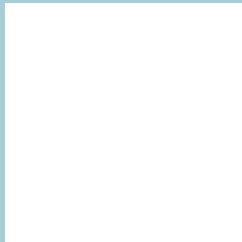
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 13.659, 224.142

Background



This preview shows how black text looks on a background with the CIELCh color 80, 13.659, 224.142.

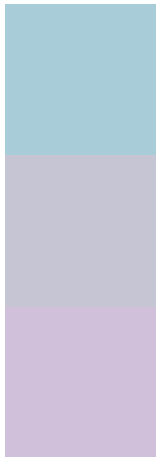


This preview shows how white text looks on a background with the CIELCh color 80, 13.659, 224.142.

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, 13.659, 224.142

Protanopia
80, 7.481, 293.580

Deuteranopia
80, 15.069, 313.485



Tritanopia
80, 14.292, 235.529

Trichromacy



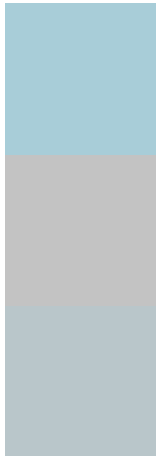
Original Color
80, 13.659, 224.142

Protanomaly
80, 8.198, 257.091

Deuteranomaly
80, 10.731, 283.654

Tritanomaly
80, 14.031, 230.961

Monochromacy



Original Color
80, 13.659, 224.142

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 5.075, 224.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 13.659, 224.142 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(168, 205, 216)` looks like.

```
.text, #text, p{  
    color:rgb(168, 205, 216)  
}
```

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(168, 205, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 205, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 13.659, 224.142 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(168, 205, 216) }
```

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

```
.border{ border-color:rgb(168, 205, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 205, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 205, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 205, 216);  
box-shadow:4px 4px 4px 4px rgb(168, 205,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 13.659, 224.142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 205, 216) }
```

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

```
.background{ background-color: rgb(168,  
205, 216) }
```

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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