

Converting Colors

CIELCh(80, 8.647, 221.306)

Have a look what the booklet for
CIELCh(80, 8.647, 221.306) contains.

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Color

CIELCh(80, 8.774, 224.166)

Conversions

Conversions Part 1

Format	Color
Hex	B3CAD1
RGB	179, 202, 209
RGB Percent	70%, 79%, 82%
CMY	0.2965, 0.2063, 0.1788
CMYK	0.14, 0.03, 0.00, 0.18
HSL	194°, 25%, 76%
HSV	194°, 14%, 82%
XYZ	51.4528, 56.6813, 68.8102
YIQ	195.9210, -15.9550, -2.6990

Conversions

Conversions Part 2

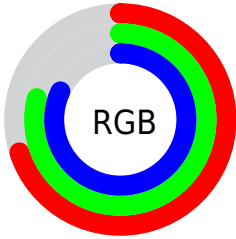
Format	Color
R _Y B	179, 192, 209
Decimal	11782865
CIE Lab	80.00, -6.29, -6.11
CIE LCh	80, 8.774, 224.166
Yxy	56.6813, 0.2908, 0.3203
Android (android.graphics.Color)	4289972945 (0xFFB3CAD1)
YUV	195.9210, 6.4479, -14.8397
Hunter-Lab	75.2870, -9.7613, -1.4885

Details

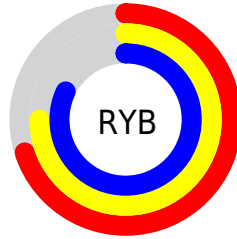
The CIELCh color `80, 8.774, 224.166` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `77, 9.588, 42.875`, and the grayscale version is `79, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 6.851, 199.068`, and `60, 8.846, 225.448` is the 20% darker color. If you saturate the color by 10%, you get `77, 14.471, 224.837`, and if you desaturate by 10%, it is `83, 2.718, 223.775`.

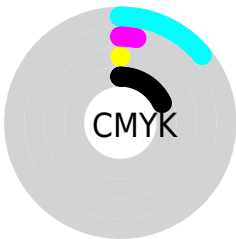
Distribution



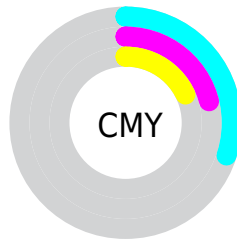
- Red (70%)
- Green (79%)
- Blue (82%)



- Red (70%)
- Yellow (75%)
- Blue (82%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)
- Black (18%)



- Cyan (30%)
- Magenta (21%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 8.774, 224.166 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, 8.774, 224.166 by changing the saturation by 10% instead.

80, 8.774, 224.166

80, 8.774, 224.166

100, 8.774,
224.166

70, 8.774, 224.166

60, 8.774, 224.166

50, 8.774, 224.166

40, 8.774, 224.166

30, 8.774, 224.166

20, 8.774, 224.166

10, 8.774, 224.166

0, 8.774, 224.166

80, 8.774, 224.166

80, 8.774, 224.166

77, 14.471,
224.837

83, 2.718, 223.775

75, 19.721,
225.777

86, 3.621, 43.048

89, 10.173, 42.890

72, 24.435,
227.025

91, 14.026, 47.497

70, 28.530,
228.656

92, 13.900, 59.954

93, 14.432, 72.019

68, 31.940,
230.756

94, 15.551, 82.741

66, 34.641,
233.415

96, 17.135, 91.708

97, 19.064, 98.965

64, 36.666,
236.715

63, 38.129,
240.697

62, 38.841,

Harmonies

Complementary

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



80, 8.774, 224.166



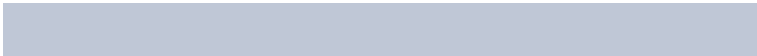
77, 9.588, 42.875

Rectangle

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



80, 8.774, 224.166



80, 8.774, 274.166



80, 8.774, 44.166



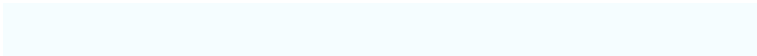
80, 8.774, 94.166

Sweetspot

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



80, 8.774, 224.154



99, 2.947, 223.777



81, 16.718, 150.160



52, 2.091, 223.776



0, 0.000, 0.000



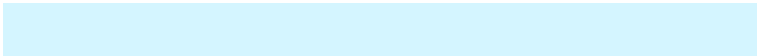
53, 0.007, 296.813

Same Dimension

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



80, 8.774, 224.154



94, 12.118, 224.325



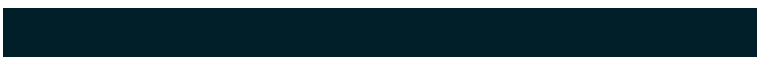
76, 11.884, 276.822



43, 3.513, 223.909



50, 32.904, 242.394



10, 12.242, 232.672

Inverse Universe

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



76, 16.587, 332.624



89, 23.119, 332.819



81, 11.820, 93.161



41, 6.539, 332.289



38, 70.839, 340.147



5, 25.980, 337.296

Previews

White Background



This preview shows how the CIELCh color 80, 8.774, 224.166 looks on a white background.

Color Contrast Check

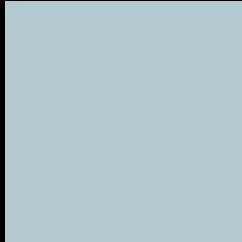
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 80, 8.774, 224.166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

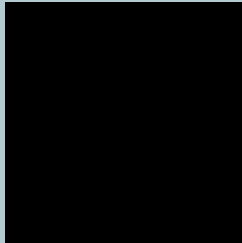
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 8.774, 224.166

Background



This preview shows how black text looks on a background with the CIELCh color 80, 8.774, 224.166.



This preview shows how white text looks on a background with the CIELCh color 80, 8.774, 224.166.

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

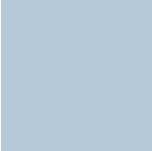
80, 8.774, 224.166

Protanopia

80, 4.867, 299.131

Deuteranopia

80, 12.297, 324.912



Tritanopia
80, 10.809, 251.375

Trichromacy



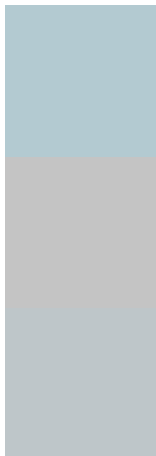
Original Color
80, 8.774, 224.166

Protanomaly
80, 4.902, 259.953

Deuteranomaly
80, 7.629, 301.656

Tritanomaly
80, 9.808, 239.821

Monochromacy



Original Color
80, 8.774, 224.166

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 3.274, 228.672

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 8.774, 224.166 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(179, 202, 209)` looks like.

```
.text, #text, p{  
    color:rgb(179, 202, 209)  
}
```

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(179, 202, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 202, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 8.774, 224.166 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(179, 202, 209) }
```

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

```
.border{ border-color:rgb(179, 202, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 202, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 202, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 202, 209);  
box-shadow:4px 4px 4px 4px rgb(179, 202,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 8.774, 224.166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 202, 209) }
```

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

```
.background{ background-color: rgb(179,  
202, 209) }
```

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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