

Converting Colors

CIELCh(80, 12.246, 220.962)

Have a look what the booklet for
CIELCh(80, 12.246, 220.962)
contains.

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Color

CIELCh(80, 12.143, 222.051)

Conversions

Conversions Part 1

Format	Color
Hex	ABCCD5
RGB	171, 204, 213
RGB Percent	67%, 80%, 84%
CMY	0.3292, 0.1998, 0.1645
CMYK	0.20, 0.04, 0.00, 0.16
HSL	193°, 33%, 75%
HSV	193°, 20%, 84%
XYZ	50.4282, 56.6813, 71.2686
YIQ	195.1590, -22.5570, -4.1970

Conversions

Conversions Part 2

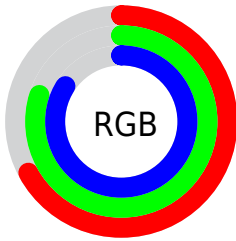
Format	Color
RYB	171, 189, 213
Decimal	11259093
CIELab	80.00, -9.02, -8.13
CIElCh	80, 12.143, 222.051
Yxy	56.6813, 0.2827, 0.3178
Android (android.graphics.Color)	4289449173 (0xFFABCCD5)
YUV	195.1590, 8.7956, -21.1874
Hunter-Lab	75.2870, -12.1905, -3.4246

Details

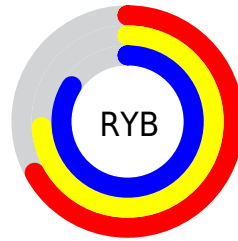
The CIELCh color `80, 12.143, 222.051` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `76, 13.805, 40.687`, and the grayscale version is `79, 0.010, 296.813`.

A 20% lighter version of the original color is `98, 9.514, 198.874`, and `60, 12.104, 220.519` is the 20% darker color. If you saturate the color by 10%, you get `77, 17.708, 222.743`, and if you desaturate by 10%, it is `83, 6.150, 221.575`.

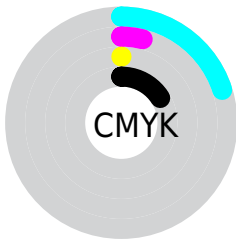
Distribution



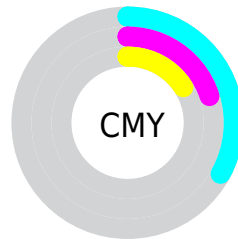
- Red (67%)
- Green (80%)
- Blue (84%)



- Red (67%)
- Yellow (74%)
- Blue (84%)



- Cyan (20%)
- Magenta (4%)
- Yellow (0%)
- Black (16%)





- Cyan (33%)
- Magenta (20%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 12.143, 222.051 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, 12.143, 222.051 by changing the saturation by 10% instead.


 80, 12.143,
222.051


 80, 12.143,
222.051


 100, 12.143,
222.051


 70, 12.143,
222.051


 60, 12.143,
222.051

 50, 12.143,
222.051

 40, 12.143,
222.051

 30, 12.143,
222.051

 20, 12.143,
222.051

 10, 12.143,

222.051

0, 12.143, 222.051

80, 12.143,
222.051

80, 12.143,
222.051

77, 17.708,
222.743

83, 6.150, 221.575

75, 22.750,
223.706

85, 0.183, 38.043

88, 6.778, 40.811

73, 27.175,
224.994

91, 13.114, 41.435

71, 30.902,
226.684

92, 12.699, 53.922

93, 12.917, 66.572

69, 33.879,
228.860

94, 13.733, 78.215

■ 67, 36.103,
231.610

■ 95, 15.047, 88.145

■ 97, 16.734, 96.236

■ 65, 37.643,
235.004

■ 64, 38.709,
238.979

■ 64, 38.740,
239.094

Harmonies

Complementary

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



80, 12.143, 222.051



76, 13.805, 40.687

Rectangle

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



80, 12.143, 222.051



80, 12.143, 272.051



80, 12.143, 42.051



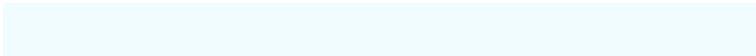
80, 12.143, 92.051

Sweetspot

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



80, 12.143, 222.043



98, 4.435, 221.483



82, 23.647, 149.155



52, 2.937, 221.494



0, 0.000, 0.000



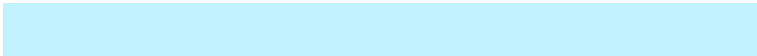
53, 0.007, 296.813

Same Dimension

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



80, 12.143, 222.043



93, 16.863, 222.331



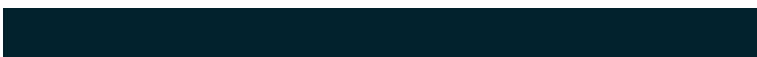
75, 16.350, 276.453



44, 3.612, 221.566



52, 32.791, 238.391



11, 12.658, 229.912

Inverse Universe

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



75, 23.505, 332.282



85, 33.135, 332.590



81, 16.297, 91.241



42, 6.761, 331.594



38, 72.606, 338.958



6, 28.149, 336.558

Previews

White Background



This preview shows how the CIELCh color 80, 12.143, 222.051 looks on a white background.

Color Contrast Check

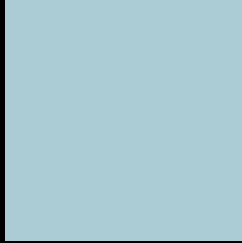
Large Text (above 18pt) WCAG AA × Fail

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, 12.143, 222.051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

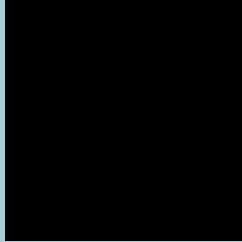
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

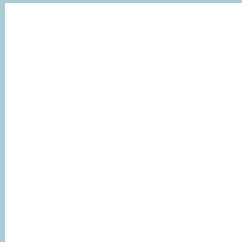
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 12.143, 222.051

Background



This preview shows how black text looks on a background with the CIELCh color 80, 12.143, 222.051.

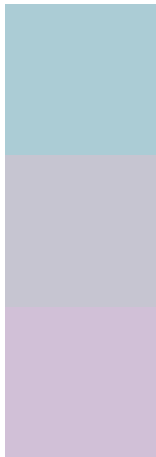


This preview shows how white text looks on a background with the CIELCh color 80, 12.143, 222.051.

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

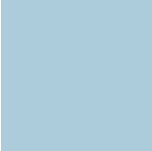
80, 12.143, 222.051

Protanopia

80, 6.417, 293.953

Deuteranopia

80, 13.765, 317.399



Tritanopia
80, 13.302, 238.878

Trichromacy



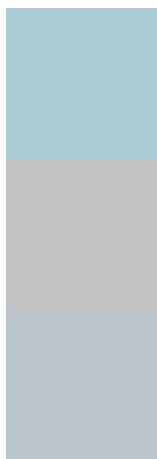
Original Color
80, 12.143, 222.051

Protanomaly
80, 6.732, 251.707

Deuteranomaly
80, 9.609, 288.942

Tritanomaly
80, 12.717, 234.886

Monochromacy



Original Color
80, 12.143, 222.051

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 4.759, 225.931

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 12.143, 222.051 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(171, 204, 213)` looks like.

```
.text, #text, p{  
    color:rgb(171, 204, 213)  
}
```

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(171, 204, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 204, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 12.143, 222.051 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(171, 204, 213) }
```

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

```
.border{ border-color:rgb(171, 204, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 204, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 204, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 204, 213);  
box-shadow:4px 4px 4px 4px rgb(171, 204,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 12.143, 222.051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 204, 213) }
```

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

```
.background{ background-color: rgb(171,  
204, 213) }
```

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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