

Converting Colors

CIELCh(81, 7.475, 187.810)

Have a look what the booklet for
CIELCh(81, 7.475, 187.810) contains.

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Color

CIELCh(81, 7.235, 190.475)

Conversions

Conversions Part 1

Format	Color
Hex	B9CDCB
RGB	185, 205, 203
RGB Percent	73%, 80%, 80%
CMY	0.2734, 0.1950, 0.2028
CMYK	0.10, 0.00, 0.01, 0.19
HSL	174°, 17%, 77%
HSV	174°, 10%, 81%
XYZ	52.7860, 58.4711, 65.1791
YIQ	198.7920, -11.2780, -4.8620

Conversions

Conversions Part 2

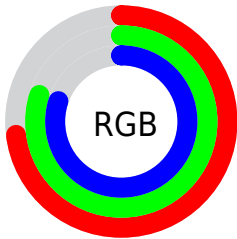
Format	Color
R _Y B	185, 196, 205
Decimal	12176843
CIE Lab	81.00, -7.11, -1.32
CIE LCh	81, 7.235, 190.475
Yxy	58.4711, 0.2992, 0.3314
Android (android.graphics.Color)	4290366923 (0xFFB9CDCB)
YUV	198.7920, 2.0745, -12.0956
Hunter-Lab	76.4664, -10.5946, 2.9883

Details

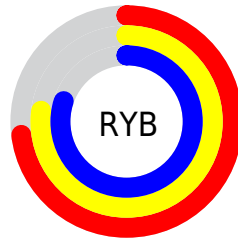
The CIELCh color $81, 7.235, 190.475$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $77, 7.607, 11.882$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 4.823, 199.237$, and $61, 7.249, 189.824$ is the 20% darker color. If you saturate the color by 10%, you get $80, 14.341, 189.649$, and if you desaturate by 10%, it is $83, 0.195, 8.353$.

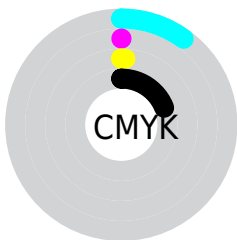
Distribution



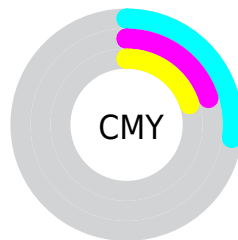
- Red (73%)
- Green (80%)
- Blue (80%)



- Red (73%)
- Yellow (77%)
- Blue (80%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (19%)



- Cyan (27%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 7.235, 190.475 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 81, 7.235, 190.475 by changing the saturation by 10% instead.

■ 81, 7.235, 190.475

■ 81, 7.235, 190.475

■ 100, 7.235,
190.475

■ 71, 7.235, 190.475

■ 61, 7.235, 190.475

■ 51, 7.235, 190.475

■ 41, 7.235, 190.475

■ 31, 7.235, 190.475

■ 21, 7.235, 190.475

■ 11, 7.235, 190.475

■ 1, 7.235, 190.475

■ 0, 7.235, 190.475

81, 7.235, 190.475

81, 7.235, 190.475

80, 14.341,
189.649

83, 0.195, 8.353

78, 21.000,
188.848

84, 7.848, 11.843

77, 27.091,
188.037

86, 15.635, 12.627

76, 32.488,
187.202

87, 18.799, 10.975

76, 37.085,
186.332

87, 18.943, 7.777

75, 40.804,
185.412

87, 19.148, 4.638

75, 43.612,
184.424

87, 19.412, 1.578

75, 45.538,
183.349

87, 19.733,
358.612

■ 74, 46.762,
182.191

Harmonies

Complementary

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



81, 7.235, 190.475



77, 7.607, 11.882

Rectangle

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



81, 7.235, 190.475



81, 7.235, 240.475



81, 7.235, 10.475



81, 7.235, 60.475

Sweetspot

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



81, 7.236, 190.463



99, 2.686, 191.143



81, 12.520, 140.768



53, 2.034, 191.030



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 7.236, 190.463



98, 10.574, 190.263



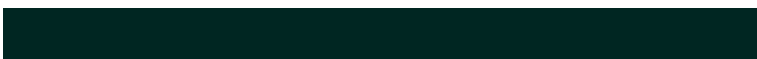
79, 5.933, 242.983



42, 4.193, 190.493



61, 39.844, 182.356



13, 14.504, 185.038

Inverse Universe

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



77, 7.607, 11.882



92, 11.257, 12.121



79, 6.182, 60.858



40, 4.400, 11.847



34, 71.512, 35.459



4, 17.998, 14.481

Previews

White Background



This preview shows how the CIELCh color 81, 7.235, 190.475 looks on a white background.

Color Contrast Check

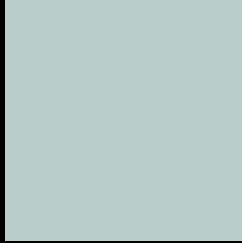
Large Text (above 18pt) WCAG AA × Fail

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 81, 7.235, 190.475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

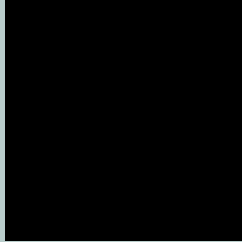
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

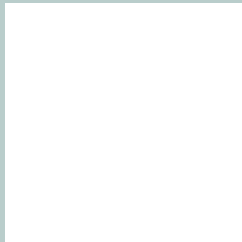
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 7.235, 190.475

Background



This preview shows how black text looks on a background with the CIELCh color 81, 7.235, 190.475.

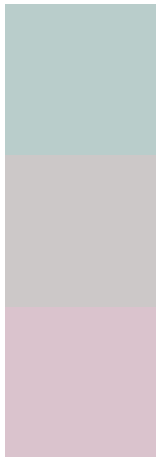


This preview shows how white text looks on a background with the CIELCh color 81, 7.235, 190.475.

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

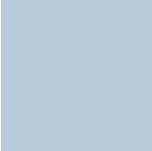
81, 7.235, 190.475

Protanopia

81, 1.468, 19.142

Deuteranopia

81, 10.011, 348.218



Tritanopia
81, 9.850, 259.125

Trichromacy



Original Color
81, 7.235, 190.475

Protanomaly
81, 1.896, 183.304

Deuteranomaly
81, 3.711, 333.849

Tritanomaly
81, 7.548, 238.533

Monochromacy



Original Color
81, 7.235, 190.475

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 2.533, 199.432

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 7.235, 190.475 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(185, 205, 203)` looks like.

```
.text, #text, p{  
    color:rgb(185, 205, 203)  
}
```

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(185, 205, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 205, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 7.235, 190.475 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(185, 205, 203) }
```

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

```
.border{ border-color:rgb(185, 205, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 205, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 205, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 205, 203);  
box-shadow:4px 4px 4px 4px rgb(185, 205,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 7.235, 190.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 205, 203) }
```

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

```
.background{ background-color: rgb(185,  
205, 203) }
```

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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