

Converting Colors

CIELCh(81, 16.178, 272.124)

Have a look what the booklet for
CIELCh(81, 16.178, 272.124)
contains.

CIELCh(81, 16.178, 272.124)	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(81, 16.178, 272.124)

Conversions

Conversions Part 1

Format	Color
Hex	BACAE7
RGB	186, 202, 231
RGB Percent	73%, 79%, 91%
CMY	0.2704, 0.2077, 0.0940
CMYK	0.19, 0.13, 0.00, 0.09
HSL	219°, 48%, 82%
HSV	219°, 19%, 91%
XYZ	55.8145, 58.4711, 83.9705
YIQ	200.5220, -18.8450, 5.6270

Conversions

Conversions Part 2

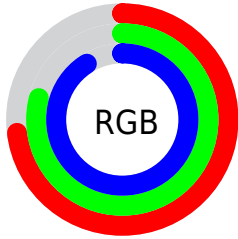
Format	Color
RYB	186, 198, 231
Decimal	12241639
CIELab	81.00, 0.60, -16.17
CIELCh	81, 16.178, 272.124
Yxy	58.4711, 0.2815, 0.2949
Android (android.graphics.Color)	4290431719 (0xFFBACAE7)
YUV	200.5220, 15.0257, -12.7358
Hunter-Lab	76.4664, -3.5252, -11.5820

Details

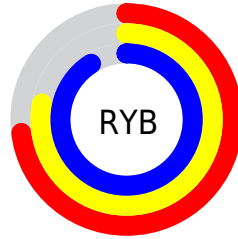
The CIELCh color `81, 16.178, 272.124` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `87, 16.331, 86.794`, and the grayscale version is `81, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 4.141, 199.303`, and `61, 16.018, 271.542` is the 20% darker color. If you saturate the color by 10%, you get `76, 24.637, 273.920`, and if you desaturate by 10%, it is `86, 7.825, 270.596`.

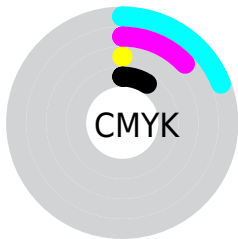
Distribution



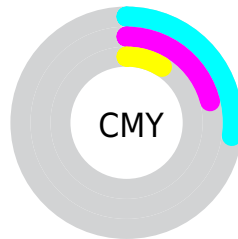
- Red (73%)
- Green (79%)
- Blue (91%)



- Red (73%)
- Yellow (78%)
- Blue (91%)



- Cyan (19%)
- Magenta (13%)
- Yellow (0%)
- Black (9%)



- Cyan (27%)
- Magenta (21%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 16.178, 272.124 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, 16.178, 272.124 by changing the saturation by 10% instead.

■ 81, 16.178,
272.124

■ 81, 16.178,
272.124

■ 100, 16.178,
272.124

■ 71, 16.178,
272.124

■ 61, 16.178,
272.124

■ 51, 16.178,
272.124

■ 41, 16.178,
272.124

■ 31, 16.178,
272.124

■ 21, 16.178,
272.124

■ 11, 16.178,

272.124

■ 1, 16.178, 272.124

■ 0, 16.178, 272.124

■ 81, 16.178,
272.124

■ 81, 16.178,
272.124

■ 76, 24.637,
273.920

■ 86, 7.825, 270.596

■ 70, 33.213,
276.035

■ 92, 0.418, 88.553

■ 65, 41.922,
278.508

■ 97, 8.504, 88.856

■ 99, 12.129,
109.261

■ 60, 50.797,
281.371

■ 54, 59.883,

284.622

■ 50, 69.216,
288.204

■ 45, 78.772,
291.978

■ 41, 88.398,
295.679

■ 41, 88.899,
295.857

Harmonies

Complementary

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



81, 16.178, 272.124



87, 16.331, 86.794

Rectangle

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



81, 16.178, 272.124



81, 16.178, 322.124



81, 16.178, 92.124



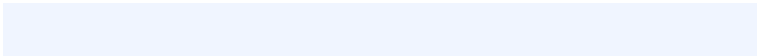
81, 16.178, 142.124

Sweetspot

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



81, 16.177, 272.120



96, 5.358, 270.139



88, 18.056, 169.687



51, 3.555, 270.222



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, 16.177, 272.120



86, 20.741, 272.743



77, 24.318, 297.122



45, 4.664, 270.593



31, 71.999, 295.212



6, 24.772, 286.673

Inverse Universe

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



80, 18.759, 354.149



85, 24.124, 354.580



90, 23.275, 113.907



45, 5.351, 353.054



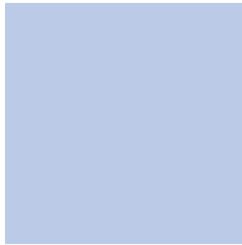
38, 65.580, 15.791



7, 26.755, 5.204

Previews

White Background



This preview shows how the CIELCh color 81, 16.178, 272.124 looks on a white background.

Color Contrast Check

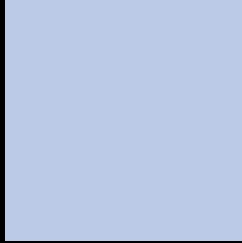
Large Text (above 18pt) WCAG AA × Fail

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 81, 16.178, 272.124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

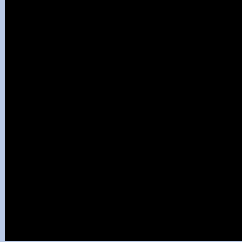
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

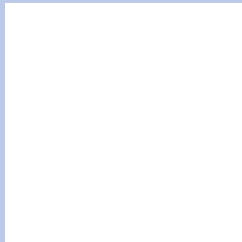
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 16.178, 272.124

Background



This preview shows how black text looks on a background with the CIELCh color 81, 16.178, 272.124.



This preview shows how white text looks on a background with the CIELCh color 81, 16.178, 272.124.

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

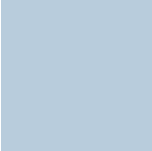
81, 16.178, 272.124

Protanopia

81, 15.973, 287.905

Deuteranopia

81, 19.475, 300.967



Tritanopia
81, 10.784, 251.343

Trichromacy



Original Color
81, 16.178, 272.124

Protanomaly
81, 16.120, 281.890

Deuteranomaly
81, 18.098, 291.768

Tritanomaly
81, 12.586, 261.978

Monochromacy



Original Color
81, 16.178, 272.124

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 6.082, 273.752

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 16.178, 272.124 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(186, 202, 231)` looks like.

```
.text, #text, p{  
    color:rgb(186, 202, 231)  
}
```

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(186, 202, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 202, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 16.178, 272.124 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(186, 202, 231) }
```

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

```
.border{ border-color:rgb(186, 202, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 202, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 202, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 202, 231);  
box-shadow:4px 4px 4px 4px rgb(186, 202,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 16.178, 272.124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 202, 231) }
```

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

```
.background{ background-color: rgb(186,  
202, 231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor