

Converting Colors

CIELCh(80, 21.100, 280.269)

Have a look what the booklet for
CIELCh(80, 21.100, 280.269)
contains.

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Color

CIELCh(80, 21.100, 280.269)

Conversions

Conversions Part 1

Format	Color
Hex	B9C6ED
RGB	185, 198, 237
RGB Percent	73%, 78%, 93%
CMY	0.2753, 0.2243, 0.0714
CMYK	0.22, 0.16, 0.00, 0.07
HSL	225°, 59%, 83%
HSV	225°, 22%, 93%
XYZ	55.3564, 56.6813, 87.9759
YIQ	198.5590, -20.2670, 9.3730

Conversions

Conversions Part 2

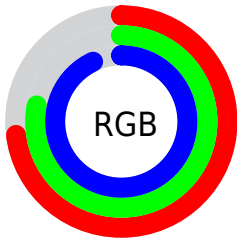
Format	Color
RYB	185, 195, 237
Decimal	12175085
CIELab	80.00, 3.76, -20.76
CIELCh	80, 21.100, 280.269
Yxy	56.6813, 0.2768, 0.2834
Android (android.graphics.Color)	4290365165 (0xFFB9C6ED)
YUV	198.5590, 18.9514, -11.8912
Hunter-Lab	75.2870, -0.5061, -16.5819

Details

The CIELCh color `80, 21.100, 280.269` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `89, 20.788, 94.560`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 4.482, 199.269`, and `60, 21.224, 280.504` is the 20% darker color. If you saturate the color by 10%, you get `74, 31.109, 282.028`, and if you desaturate by 10%, it is `86, 11.350, 278.767`.

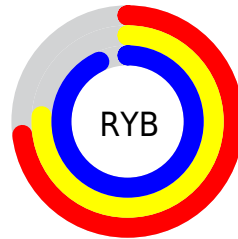
Distribution



Red (73%)

Green (78%)

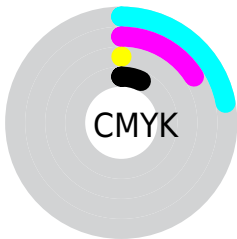
Blue (93%)



Red (73%)

Yellow (76%)

Blue (93%)

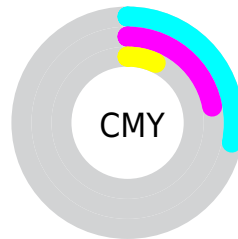


Cyan (22%)

Magenta (16%)

Yellow (0%)

Black (7%)



Cyan (28%)


Magenta (22%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 21.100, 280.269 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, 21.100, 280.269 by changing the saturation by 10% instead.


 80, 21.100,
280.269


 80, 21.100,
280.269


 100, 21.100,
280.269


 70, 21.100,
280.269

 60, 21.100,
280.269

 50, 21.100,
280.269

 40, 21.100,
280.269

 30, 21.100,
280.269

 20, 21.100,
280.269

 10, 21.100,

280.269

0, 21.100, 280.269

80, 21.100,
280.269

80, 21.100,
280.269

74, 31.109,
282.028

86, 11.350,
278.767

68, 41.407,
284.089

92, 1.844, 277.570

61, 52.028,
286.481

99, 7.372, 98.569

100, 9.222,
109.478

55, 63.001,
289.215

50, 74.320,
292.254

■ 44, 85.861,
295.488

■ 40, 97.251,
298.712

■ 36, 105.840,
301.073

Harmonies

Complementary

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



80, 21.100, 280.269



89, 20.788, 94.560

Rectangle

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



80, 21.100, 280.269



80, 21.100, 330.269



80, 21.100, 100.269



80, 21.100, 150.269

Sweetspot

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



80, 21.098, 280.267



95, 7.017, 278.118



90, 19.370, 176.228



50, 4.563, 278.194



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, 21.098, 280.267



83, 26.672, 280.963



78, 28.311, 300.895



46, 5.337, 278.430



27, 85.164, 300.559



5, 29.473, 292.210

Inverse Universe

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



80, 20.697, 1.808



83, 26.240, 2.352



92, 27.030, 117.847



46, 5.169, 0.356



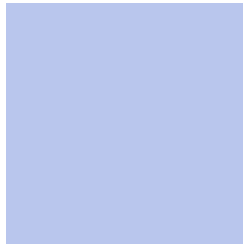
38, 69.602, 25.375



7, 27.831, 12.078

Previews

White Background



This preview shows how the CIELCh color 80, 21.100, 280.269 looks on a white background.

Color Contrast Check

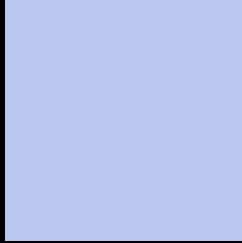
Large Text (above 18pt) WCAG AA × Fail

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, 21.100, 280.269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

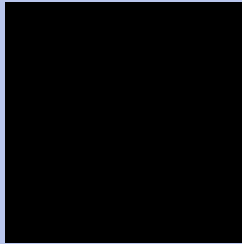
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 21.100, 280.269

Background



This preview shows how black text looks on a background with the CIELCh color 80, 21.100, 280.269.



This preview shows how white text looks on a background with the CIELCh color 80, 21.100, 280.269.

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

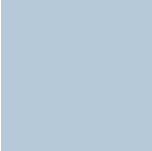
80, 21.100, 280.269

Protanopia

80, 21.380, 286.701

Deuteranopia

80, 23.549, 295.505



Tritanopia
80, 10.809, 251.375

Trichromacy



Original Color
80, 21.100, 280.269

Protanomaly
80, 20.927, 283.798

Deuteranomaly
80, 22.938, 290.540

Tritanomaly
80, 14.012, 265.478

Monochromacy



Original Color
80, 21.100, 280.269

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 7.637, 277.481

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 21.100, 280.269 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, 198, 237)` looks like.

```
.text, #text, p{  
    color:rgb(185, 198, 237)  
}
```

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, 198, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 198, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 21.100, 280.269 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, 198, 237) }
```

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

```
.border{ border-color:rgb(185, 198, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 198, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 198, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 198, 237);  
box-shadow:4px 4px 4px 4px rgb(185, 198,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 21.100, 280.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 198, 237) }
```

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

```
.background{ background-color: rgb(185,  
198, 237) }
```

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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