

Converting Colors

CIELCh(80, 22.258, 283.950)

Have a look what the booklet for
CIELCh(80, 22.258, 283.950)
contains.

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Color

CIELCh(80, 22.016, 283.478)

Conversions

Conversions Part 1

Format	Color
Hex	BBC5EE
RGB	187, 197, 238
RGB Percent	73%, 77%, 93%
CMY	0.2666, 0.2274, 0.0666
CMYK	0.21, 0.17, 0.00, 0.07
HSL	228°, 60%, 83%
HSV	228°, 21%, 93%
XYZ	55.9030, 56.6813, 88.8967
YIQ	198.6840, -19.1210, 10.6310

Conversions

Conversions Part 2

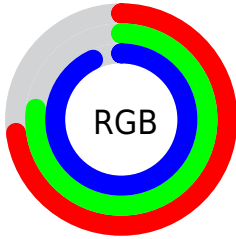
Format	Color
R_{YB}	187, 195, 238
Decimal	12305902
CIE _{Lab}	80.00, 5.13, -21.41
CIE _{LCh}	80, 22.016, 283.478
Yxy	56.6813, 0.2775, 0.2813
Android (android.graphics.Color)	4290495982 (0xFFBBC5EE)
YUV	198.6840, 19.3828, -10.2469
Hunter-Lab	75.2870, 0.7899, -17.3070

Details

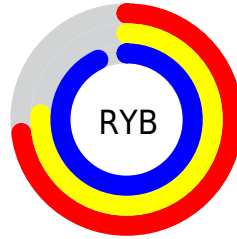
The CIELCh color `80, 22.016, 283.478` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `90, 21.480, 98.149`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 3.484, 207.788`, and `60, 22.203, 283.834` is the 20% darker color. If you saturate the color by 10%, you get `73, 32.793, 285.160`, and if you desaturate by 10%, it is `87, 11.570, 282.043`.

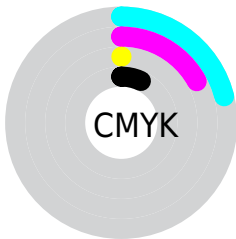
Distribution



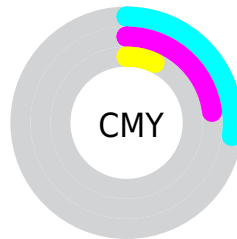
- Red (73%)
- Green (77%)
- Blue (93%)



- Red (73%)
- Yellow (76%)
- Blue (93%)



- Cyan (21%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)



- Cyan (27%)
- Magenta (23%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 22.016, 283.478 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, 22.016, 283.478 by changing the saturation by 10% instead.

■ 80, 22.016,
283.478

■ 80, 22.016,
283.478

■ 100, 22.016,
283.478

■ 70, 22.016,
283.478

■ 60, 22.016,
283.478

■ 50, 22.016,
283.478

■ 40, 22.016,
283.478

■ 30, 22.016,
283.478

■ 20, 22.016,
283.478

■ 10, 22.016,

283.478

0, 22.016, 283.478

80, 22.016,
283.478

80, 22.016,
283.478

73, 32.793,
285.160

87, 11.570,
282.043

67, 43.938,
287.129

93, 1.433, 280.919

60, 55.484,
289.413

99, 8.308, 108.121

100, 8.596,
109.525

54, 67.444,
292.014

48, 79.760,
294.884

■ 42, 92.176,
297.890

■ 38, 104.066,
300.802

■ 34, 113.056,
302.966

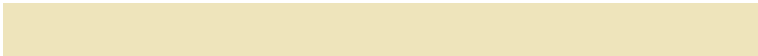
Harmonies

Complementary

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



80, 22.016, 283.478



90, 21.480, 98.149

Rectangle

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



80, 22.016, 283.478



80, 22.016, 333.478



80, 22.016, 103.478



80, 22.016, 153.478

Sweetspot

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



80, 22.014, 283.476



96, 6.379, 281.367



90, 18.275, 181.308



51, 4.234, 281.445



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, 22.014, 283.476



82, 28.451, 284.229



79, 27.905, 303.190



47, 5.771, 281.791



26, 91.793, 302.554



5, 32.690, 294.909

Inverse Universe

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



81, 19.925, 5.750



83, 25.852, 6.362



92, 26.761, 120.556



47, 5.153, 4.372



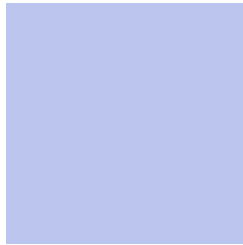
38, 72.779, 29.717



8, 29.014, 15.737

Previews

White Background



This preview shows how the CIELCh color 80, 22.016, 283.478 looks on a white background.

Color Contrast Check

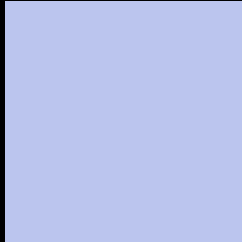
Large Text (above 18pt) WCAG AA × Fail

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, 22.016, 283.478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

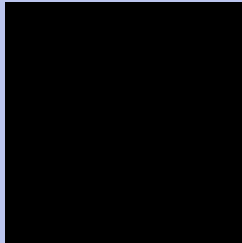
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 22.016, 283.478

Background



This preview shows how black text looks on a background with the CIELCh color 80, 22.016, 283.478.



This preview shows how white text looks on a background with the CIELCh color 80, 22.016, 283.478.

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, 22.016, 283.478

Protanopia

80, 22.462, 286.235

Deuteranopia

80, 24.060, 294.676



Tritanopia
80, 10.412, 254.302

Trichromacy



Original Color
80, 22.016, 283.478

Protanomaly
80, 22.491, 285.405

Deuteranomaly
80, 23.470, 290.627

Tritanomaly
80, 14.239, 268.940

Monochromacy



Original Color
80, 22.016, 283.478

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 8.046, 283.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 22.016, 283.478 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(187, 197, 238)` looks like.

```
.text, #text, p{  
    color:rgb(187, 197, 238)  
}
```

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(187, 197, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 197, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 22.016, 283.478 is called "border". The border property can be set on classes, ids or directly on the HTML element.

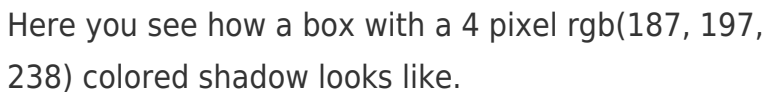
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 197, 238) }
```

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

```
.border{ border-color:rgb(187, 197, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 197, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 197, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 197, 238); box-shadow:4px 4px 4px 4px rgb(187, 197, 238) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 22.016, 283.478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 197, 238) }
```

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

```
.background{ background-color: rgb(187,  
197, 238) }
```

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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