

Converting Colors

CIELCh(80, 30.829, 285.738)

Have a look what the booklet for
CIELCh(80, 30.829, 285.738)
contains.

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Color

CIELCh(80, 30.505, 285.672)

Conversions

Conversions Part 1

Format	Color
Hex	B8C4FD
RGB	184, 196, 253
RGB Percent	72%, 77%, 99%
CMY	0.2789, 0.2319, 0.0084
CMYK	0.27, 0.23, 0.00, 0.01
HSL	230°, 94%, 86%
HSV	230°, 27%, 99%
XYZ	57.1569, 56.6813, 100.7457
YIQ	198.9100, -25.4490, 15.1830

Conversions

Conversions Part 2

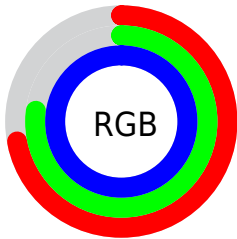
Format	Color
RYB	184, 194, 253
Decimal	12109053
CIELab	80.00, 8.24, -29.37
CIELCh	80, 30.505, 285.672
Yxy	56.6813, 0.2664, 0.2641
Android (android.graphics.Color)	4290299133 (0xFFB8C4FD)
YUV	198.9100, 26.6664, -13.0761
Hunter-Lab	75.2870, 3.7628, -26.6384

Details

The CIELCh color `80, 30.505, 285.672` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `95, 29.387, 98.788`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 4.241, 213.228`, and `60, 30.657, 285.713` is the 20% darker color. If you saturate the color by 10%, you get `73, 42.396, 287.499`, and if you desaturate by 10%, it is `87, 19.014, 284.112`.

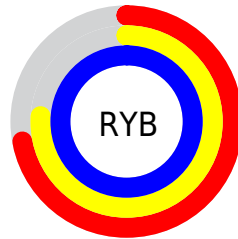
Distribution



Red (72%)

Green (77%)

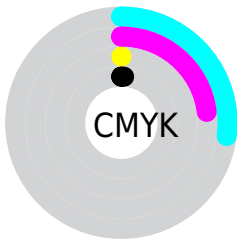
Blue (99%)



Red (72%)

Yellow (76%)

Blue (99%)

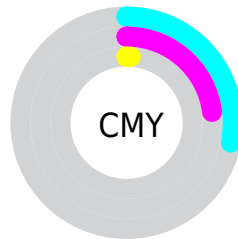


Cyan (27%)

Magenta (23%)

Yellow (0%)

Black (1%)



Cyan (28%)


Magenta (23%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 30.505, 285.672 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, 30.505, 285.672 by changing the saturation by 10% instead.


 80, 30.505,
285.672


 80, 30.505,
285.672


 100, 30.505,
285.672


 70, 30.505,
285.672

 60, 30.505,
285.672

 50, 30.505,
285.672

 40, 30.505,
285.672

 30, 30.505,
285.672

 20, 30.505,
285.672

 10, 30.505,

285.672

0, 30.505, 285.672

80, 30.505,
285.672

80, 30.505,
285.672

73, 42.396,
287.499

87, 19.014,
284.112

66, 54.728,
289.628

94, 7.894, 282.792

59, 67.523,
292.072

100, 1.070,
110.026

52, 80.734,
294.798

46, 94.136,
297.699

■ 41, 107.126,
300.569

■ 37, 118.567,
303.109

■ 36, 121.242,
303.678

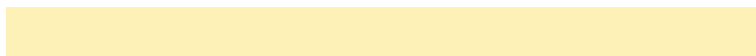
Harmonies

Complementary

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



80, 30.505, 285.672



95, 29.387, 98.788

Rectangle

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



80, 30.505, 285.672



80, 30.505, 335.672



80, 30.505, 105.672



80, 30.505, 155.672

Sweetspot

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



80, 30.503, 285.671



94, 8.739, 282.879



95, 23.907, 182.042



49, 6.224, 283.066



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, 30.503, 285.671



77, 37.505, 286.683



79, 37.776, 304.214



49, 6.224, 283.066



26, 97.005, 303.295



5, 38.574, 298.324

Inverse Universe

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



81, 26.903, 8.217



78, 33.195, 9.068



96, 35.807, 120.868



50, 5.383, 6.073



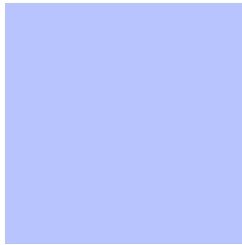
40, 76.252, 31.478



10, 32.138, 19.979

Previews

White Background



This preview shows how the CIELCh color 80, 30.505, 285.672 looks on a white background.

Color Contrast Check

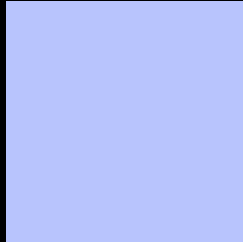
Large Text (above 18pt) WCAG AA × Fail

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, 30.505, 285.672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

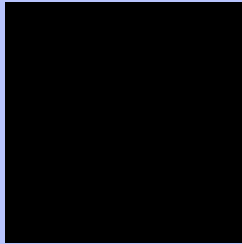
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 30.505, 285.672

Background



This preview shows how black text looks on a background with the CIELCh color 80, 30.505, 285.672.



This preview shows how white text looks on a background with the CIELCh color 80, 30.505, 285.672.

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

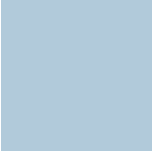
80, 30.505, 285.672

Protanopia

80, 30.505, 285.672

Deuteranopia

80, 31.487, 289.455



Tritanopia
80, 11.885, 245.001

Trichromacy



Original Color
80, 30.505, 285.672

Protanomaly
80, 30.505, 285.672

Deuteranomaly
80, 30.961, 288.166

Tritanomaly
80, 17.612, 269.430

Monochromacy



Original Color
80, 30.505, 285.672

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 11.248, 284.062

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 30.505, 285.672 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(184, 196, 253)` looks like.

```
.text, #text, p{  
    color:rgb(184, 196, 253)  
}
```

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(184, 196, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 196, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 30.505, 285.672 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(184, 196, 253) }
```

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

```
.border{ border-color:rgb(184, 196, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 196, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 196, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 196, 253);  
box-shadow:4px 4px 4px 4px rgb(184, 196,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 30.505, 285.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 196, 253) }
```

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

```
.background{ background-color: rgb(184,  
196, 253) }
```

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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