

Converting Colors

CIELCh(80, 28.433, 286.931)

Have a look what the booklet for
CIELCh(80, 28.433, 286.931)
contains.

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Color

CIELCh(80, 28.318, 286.787)

Conversions

Conversions Part 1

Format	Color
Hex	BBC4F9
RGB	187, 196, 249
RGB Percent	73%, 77%, 98%
CMY	0.2679, 0.2326, 0.0248
CMYK	0.25, 0.21, 0.00, 0.02
HSL	231°, 83%, 85%
HSV	231°, 25%, 98%
XYZ	57.1319, 56.6813, 97.2818
YIQ	199.3510, -22.3770, 14.5750

Conversions

Conversions Part 2

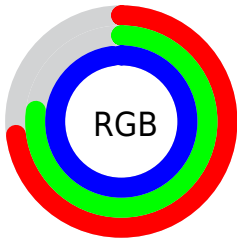
Format	Color
R _Y B	187, 195, 249
Decimal	12305657
CIE Lab	80.00, 8.18, -27.11
CIE LCh	80, 28.318, 286.787
Yxy	56.6813, 0.2706, 0.2685
Android (android.graphics.Color)	4290495737 (0xFFBBC4F9)
YUV	199.3510, 24.4770, -10.8318
Hunter-Lab	75.2870, 3.7034, -23.9105

Details

The CIELCh color **80, 28.318, 286.787** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **94, 27.239, 100.723**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 3.257, 217.663**, and **60, 28.317, 287.301** is the 20% darker color. If you saturate the color by 10%, you get **73, 40.389, 288.511**, and if you desaturate by 10%, it is **87, 16.672, 285.317**.

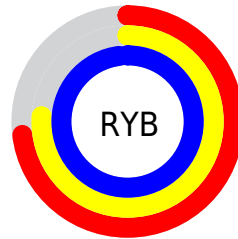
Distribution



Red (73%)

Green (77%)

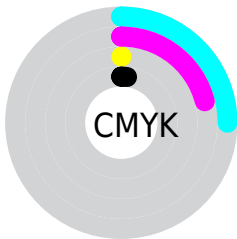
Blue (98%)



Red (73%)

Yellow (76%)

Blue (98%)

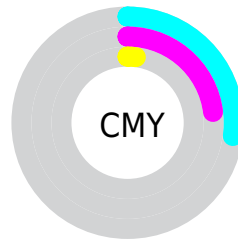


Cyan (25%)

Magenta (21%)

Yellow (0%)

Black (2%)



Cyan (27%)


Magenta (23%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 28.318, 286.787 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, 28.318, 286.787 by changing the saturation by 10% instead.


 80, 28.318,
286.787


 80, 28.318,
286.787


 100, 28.318,
286.787


 70, 28.318,
286.787

 60, 28.318,
286.787

 50, 28.318,
286.787

 40, 28.318,
286.787

 30, 28.318,
286.787

 20, 28.318,
286.787

 10, 28.318,

286.787

0, 28.318, 286.787

80, 28.318,
286.787

80, 28.318,
286.787

73, 40.389,
288.511

87, 16.672,
285.317

66, 52.926,
290.524

94, 5.420, 284.080

59, 65.948,
292.840

100, 3.199,
109.915

52, 79.405,
295.433

46, 93.058,
298.205

■ 40, 106.274,
300.953

■ 36, 117.834,
303.383

■ 34, 122.591,
304.366

Harmonies

Complementary

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



80, 28.318, 286.787



94, 27.239, 100.723

Rectangle

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



80, 28.318, 286.787



80, 28.318, 336.787



80, 28.318, 106.787



80, 28.318, 156.787

Sweetspot

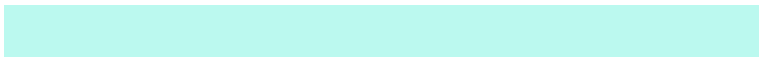
The Sweet Spot groups the original color and five complimentary colors.



80, 28.316, 286.786



95, 7.881, 284.317



94, 21.304, 184.992



50, 5.125, 284.388



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, 28.316, 286.786



78, 35.095, 287.634



79, 34.042, 305.179



48, 6.319, 284.616



25, 98.483, 304.030



5, 37.721, 298.161

Inverse Universe

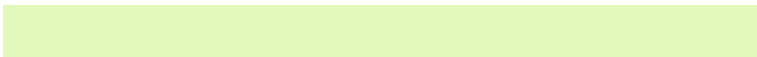
The Inverse Universe completely reimagines the original color for something new.



82, 23.989, 10.090



80, 29.865, 10.801



95, 32.508, 122.314



49, 5.252, 8.300



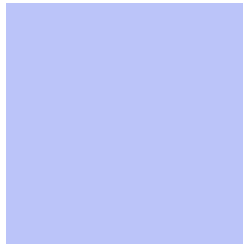
39, 76.908, 33.329



9, 31.265, 20.196

Previews

White Background



This preview shows how the CIELCh color 80, 28.318, 286.787 looks on a white background.

Color Contrast Check

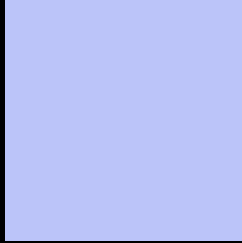
Large Text (above 18pt) WCAG AA × Fail

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, 28.318, 286.787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

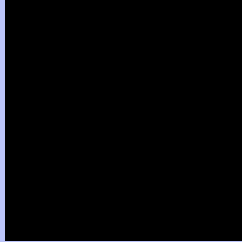
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 28.318, 286.787

Background



This preview shows how black text looks on a background with the CIELCh color 80, 28.318, 286.787.



This preview shows how white text looks on a background with the CIELCh color 80, 28.318, 286.787.

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, 28.318, 286.787

Protanopia

80, 28.374, 285.517

Deuteranopia

80, 29.340, 290.858



Tritanopia
80, 11.016, 249.997

Trichromacy



Original Color
80, 28.318, 286.787

Protanomaly
80, 28.344, 286.150

Deuteranomaly
80, 28.813, 288.854

Tritanomaly
80, 16.817, 271.787

Monochromacy



Original Color
80, 28.318, 286.787

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 10.159, 285.147

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 28.318, 286.787 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, 196, 249)` looks like.

```
.text, #text, p{  
    color:rgb(187, 196, 249)  
}
```

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, 196, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 196, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 28.318, 286.787 is called "border". The border property can be set on classes, ids or directly on the HTML element.

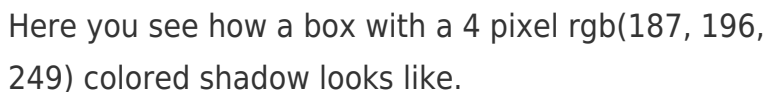
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 196, 249) }
```

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

```
.border{ border-color:rgb(187, 196, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 196, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 196, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 196, 249); box-shadow:4px 4px 4px 4px rgb(187, 196, 249) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 28.318, 286.787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 196, 249) }
```

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

```
.background{ background-color: rgb(187,  
196, 249) }
```

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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