

Converting Colors

CIELCh(80, 30.923, 286.787)

Have a look what the booklet for
CIELCh(80, 30.923, 286.787)
contains.

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Color

CIELCh(80, 31.004, 287.014)

Conversions

Conversions Part 1

Format	Color
Hex	B9C3FD
RGB	185, 195, 253
RGB Percent	73%, 76%, 99%
CMY	0.2730, 0.2338, 0.0063
CMYK	0.27, 0.23, 0.00, 0.01
HSL	231°, 96%, 86%
HSV	231°, 27%, 99%
XYZ	57.4955, 56.6813, 101.1745
YIQ	198.6220, -24.5780, 15.9180

Conversions

Conversions Part 2

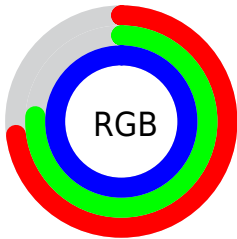
Format	Color
R_{YB}	185, 194, 253
Decimal	12174333
CIE Lab	80.00, 9.07, -29.65
CIE LCh	80, 31.004, 287.014
Yxy	56.6813, 0.2670, 0.2632
Android (android.graphics.Color)	4290364413 (0xFFB9C3FD)
YUV	198.6220, 26.8084, -11.9465
Hunter-Lab	75.2870, 4.5654, -26.9761

Details

The CIELCh color `80, 31.004, 287.014` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `96, 29.728, 100.406`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `98, 3.687, 233.056`, and `60, 31.189, 287.097` is the 20% darker color. If you saturate the color by 10%, you get `73, 43.323, 288.796`, and if you desaturate by 10%, it is `87, 19.122, 285.494`.

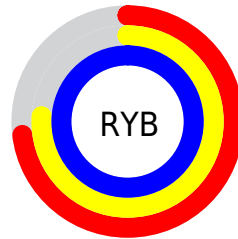
Distribution



Red (73%)

Green (76%)

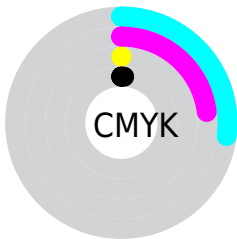
Blue (99%)



Red (73%)

Yellow (76%)

Blue (99%)

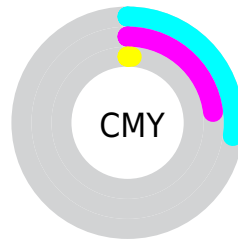


Cyan (27%)

Magenta (23%)

Yellow (0%)

Black (1%)



Cyan (27%)

Magenta (23%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 31.004, 287.014 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, 31.004, 287.014 by changing the saturation by 10% instead.

■ 80, 31.004,
287.014

■ 80, 31.004,
287.014

■ 100, 31.004,
287.014

■ 70, 31.004,
287.014

■ 60, 31.004,
287.014

■ 50, 31.004,
287.014

■ 40, 31.004,
287.014

■ 30, 31.004,
287.014

■ 20, 31.004,
287.014

■ 10, 31.004,

287.014

■ 0, 31.004, 287.014

■ 80, 31.004,
287.014

■ 80, 31.004,
287.014

■ 73, 43.323,
288.796

■ 87, 19.122,
285.494

■ 66, 56.120,
290.872

■ 95, 7.645, 284.209

■ 59, 69.406,
293.252

100, 0.799,
110.021

■ 52, 83.108,
295.898

■ 46, 96.928,
298.694

■ 40,110.124,
301.417

■ 36,121.359,
303.760

■ 35,124.272,
304.347

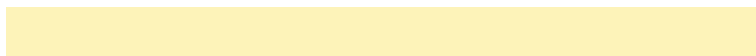
Harmonies

Complementary

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



80, 31.004, 287.014



96, 29.728, 100.406

Rectangle

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



80, 31.004, 287.014



80, 31.004, 337.014



80, 31.004, 107.014



80, 31.004, 157.014

Sweetspot

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



80, 31.002, 287.013



94, 9.003, 284.346



95, 23.175, 184.812



49, 6.413, 284.529



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, 31.002, 287.013



77, 37.494, 287.900



79, 37.337, 305.316



49, 6.413, 284.529



26, 99.397, 304.008



5, 39.450, 298.959

Inverse Universe

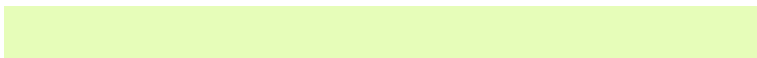
The Inverse Universe completely reimagines the original color for something new.



82, 26.371, 10.220



79, 32.020, 10.971



96, 35.513, 122.206



50, 5.342, 8.169



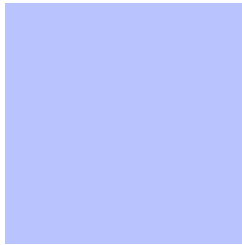
40, 77.634, 33.272



10, 32.298, 21.147

Previews

White Background



This preview shows how the CIELCh color 80, 31.004, 287.014 looks on a white background.

Color Contrast Check

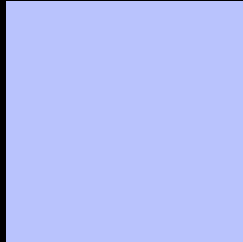
Large Text (above 18pt) WCAG AA × Fail

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, 31.004, 287.014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

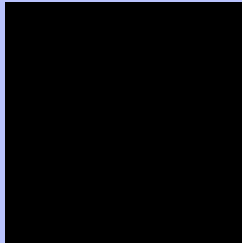
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 31.004, 287.014

Background



This preview shows how black text looks on a background with the CIELCh color 80, 31.004, 287.014.



This preview shows how white text looks on a background with the CIELCh color 80, 31.004, 287.014.

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

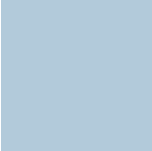
80, 31.004, 287.014

Protanopia

80, 31.061, 285.288

Deuteranopia

80, 31.472, 288.869



Tritanopia
80, 11.659, 246.172

Trichromacy



Original Color
80, 31.004, 287.014

Protanomaly
80, 31.030, 285.855

Deuteranomaly
80, 31.489, 288.300

Tritanomaly
80, 17.503, 270.423

Monochromacy



Original Color
80, 31.004, 287.014

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, 31.004, 287.014 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, 195, 253)` looks like.

```
.text, #text, p{  
    color:rgb(185, 195, 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(185, 195, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 195, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 31.004, 287.014 is called "border". The border property can be set on classes, ids or directly on the HTML element.

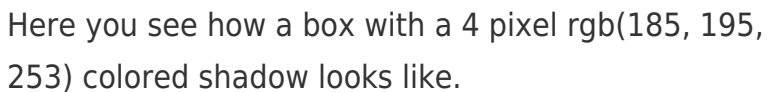
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 195, 253) }
```

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

```
.border{ border-color:rgb(185, 195, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 195, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 195, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 195, 253); box-shadow:4px 4px 4px 4px rgb(185, 195, 253) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 31.004, 287.014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 195, 253) }
```

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

```
.background{ background-color: rgb(185,  
195, 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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