

Converting Colors

CIELCh(80, 31.461, 280.961)

Have a look what the booklet for
CIELCh(80, 31.461, 280.961)
contains.

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Color

CIELCh(80, 31.324, 281.387)

Conversions

Conversions Part 1

Format	Color
Hex	B1C5FF
RGB	177, 197, 255
RGB Percent	69%, 77%, 100%
CMY	0.3047, 0.2263, 0.0000
CMYK	0.30, 0.23, 0.00, 0.00
HSL	225°, 100%, 85%
HSV	225°, 30%, 100%
XYZ	56.3257, 56.6813, 102.8326
YIQ	197.6320, -30.5380, 13.7980

Conversions

Conversions Part 2

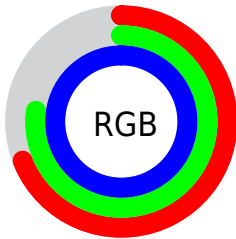
Format	Color
R _Y B	177, 193, 255
Decimal	11650559
CIE Lab	80.00, 6.18, -30.71
CIE LCh	80, 31.324, 281.387
Yxy	56.6813, 0.2610, 0.2626
Android (android.graphics.Color)	4289840639 (0xFFB1C5FF)
YUV	197.6320, 28.2824, -18.0943
Hunter-Lab	75.2870, 1.7920, -28.2818

Details

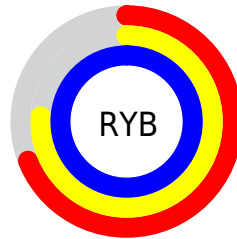
The CIELCh color `80, 31.324, 281.387` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `93, 30.557, 92.957`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `98, 6.853, 203.347`, and `60, 31.507, 281.530` is the 20% darker color. If you saturate the color by 10%, you get `73, 41.948, 283.342`, and if you desaturate by 10%, it is `87, 20.678, 279.567`.

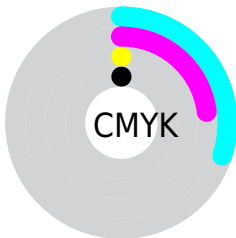
Distribution



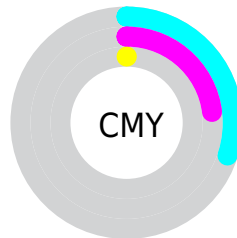
- Red (69%)
- Green (77%)
- Blue (100%)



- Red (69%)
- Yellow (76%)
- Blue (100%)



- Cyan (30%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (23%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 31.324, 281.387 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, 31.324, 281.387 by changing the saturation by 10% instead.


 80, 31.324,
281.387


 80, 31.324,
281.387


 100, 31.324,
281.387


 70, 31.324,
281.387

 60, 31.324,
281.387

 50, 31.324,
281.387

 40, 31.324,
281.387

 30, 31.324,
281.387

 20, 31.324,
281.387

 10, 31.324,

281.387

■ 0, 31.324, 281.387

■ 80, 31.324,
281.387

■ 80, 31.324,
281.387

■ 73, 41.948,
283.342

■ 87, 20.678,
279.567

■ 67, 53.054,
285.712

■ 93, 10.455,
278.089

■ 61, 64.523,
288.430

■ 100, 0.478,
277.271

■ 55, 76.360,
291.469

■ 100, 0.012,
296.813

■ 49, 88.471,
294.730

■ 44, 100.524,
298.021

■ 40, 111.343,
300.903

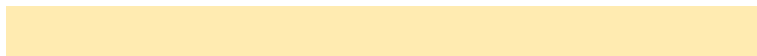
Harmonies

Complementary

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



80, 31.324, 281.387



93, 30.557, 92.957

Rectangle

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



80, 31.324, 281.387



80, 31.324, 331.387



80, 31.324, 101.387



80, 31.324, 151.387

Sweetspot

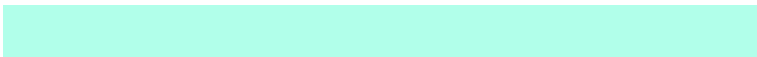
The Sweet Spot groups the original color and five complimentary colors.



80, 31.167, 281.306



94, 8.969, 277.893



95, 28.110, 175.297



49, 6.242, 278.087



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, 31.167, 281.306



76, 38.167, 282.599



76, 42.404, 301.678



50, 5.669, 277.959



29, 88.204, 300.378



7, 35.336, 295.587

Inverse Universe

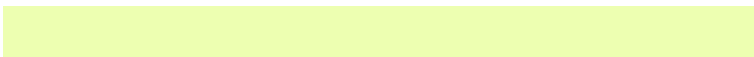
The Inverse Universe completely reimagines the original color for something new.



80, 31.070, 2.457



76, 38.079, 3.481



97, 39.655, 117.281



50, 5.554, 359.839



40, 72.314, 25.006



10, 31.661, 15.547

Previews

White Background



This preview shows how the CIELCh color 80, 31.324, 281.387 looks on a white background.

Color Contrast Check

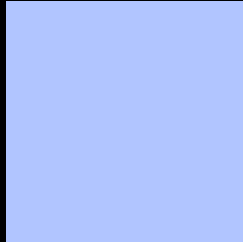
Large Text (above 18pt) WCAG AA × Fail

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, 31.324, 281.387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

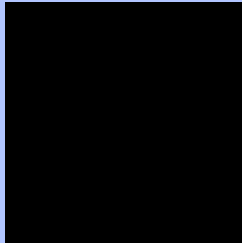
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

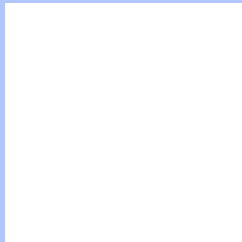
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 31.324, 281.387

Background



This preview shows how black text looks on a background with the CIELCh color 80, 31.324, 281.387.



This preview shows how white text looks on a background with the CIELCh color 80, 31.324, 281.387.

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, 31.324, 281.387

Protanopia

80, 31.061, 285.288

Deuteranopia

80, 32.017, 288.432



Tritanopia
80, 14.040, 236.315

Trichromacy



Original Color
80, 31.324, 281.387

Protanomaly
80, 31.132, 284.163

Deuteranomaly
80, 31.585, 285.477

Tritanomaly
80, 18.757, 261.157

Monochromacy



Original Color
80, 31.324, 281.387

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 11.473, 277.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 31.324, 281.387 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(177, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 197, 255)  
}
```

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(177, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 197, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 31.324, 281.387 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(177, 197, 255) }
```

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

```
.border{ border-color:rgb(177, 197, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 197, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 197,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 31.324, 281.387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 197, 255) }
```

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

```
.background{ background-color: rgb(177,  
197, 255) }
```

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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