

Converting Colors

CIELCh(80, 30.500, 281.767)

Have a look what the booklet for
CIELCh(80, 30.500, 281.767)
contains.

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Color

CIELCh(80, 30.710, 282.231)

Conversions

Conversions Part 1

Format	Color
Hex	B3C5FE
RGB	179, 197, 254
RGB Percent	70%, 77%, 100%
CMY	0.2980, 0.2274, 0.0039
CMYK	0.30, 0.22, 0.00, 0.00
HSL	226°, 97%, 85%
HSV	226°, 30%, 100%
XYZ	56.4552, 56.6813, 101.7446
YIQ	198.1160, -29.0250, 13.9110

Conversions

Conversions Part 2

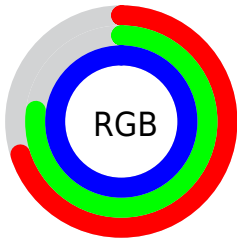
Format	Color
R _Y B	179, 194, 254
Decimal	11781630
CIE Lab	80.00, 6.51, -30.01
CIE LCh	80, 30.710, 282.231
Yxy	56.6813, 0.2627, 0.2638
Android (android.graphics.Color)	4289971710 (0xFFB3C5FE)
YUV	198.1160, 27.5508, -16.7647
Hunter-Lab	75.2870, 2.0990, -27.4250

Details

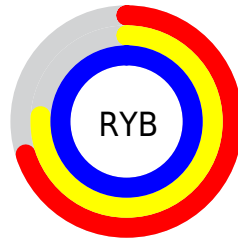
The CIELCh color `80, 30.710, 282.231` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `94, 29.980, 94.285`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `98, 6.183, 203.862`, and `60, 30.864, 282.305` is the 20% darker color. If you saturate the color by 10%, you get `73, 41.694, 284.212`, and if you desaturate by 10%, it is `87, 20.038, 280.538`.

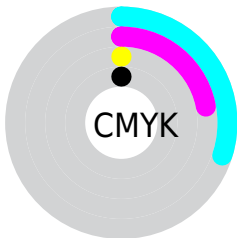
Distribution



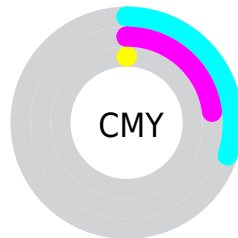
- Red (70%)
- Green (77%)
- Blue (100%)



- Red (70%)
- Yellow (76%)
- Blue (100%)



- Cyan (30%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 30.710, 282.231 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, 30.710, 282.231 by changing the saturation by 10% instead.


 80, 30.710,
282.231


 80, 30.710,
282.231


 100, 30.710,
282.231


 70, 30.710,
282.231

 60, 30.710,
282.231

 50, 30.710,
282.231

 40, 30.710,
282.231

 30, 30.710,
282.231

 20, 30.710,
282.231

 10, 30.710,

282.231

■ 0, 30.710, 282.231

■ 80, 30.710,
282.231

■ 80, 30.710,
282.231

■ 73, 41.694,
284.212

■ 87, 20.038,
280.538

■ 67, 53.029,
286.519

■ 93, 9.654, 279.101

■ 60, 64.748,
289.168

100, 0.453,
107.030

■ 54, 76.850,
292.130

100, 0.487,
109.983

■ 48, 89.221,
295.310

■ 43,101.490,
298.515

■ 39,112.911,
301.447

■ 39,113.418,
301.569

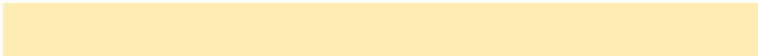
Harmonies

Complementary

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



80, 30.710, 282.231



94, 29.980, 94.285

Rectangle

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



80, 30.710, 282.231



80, 30.710, 332.231



80, 30.710, 102.231



80, 30.710, 152.231

Sweetspot

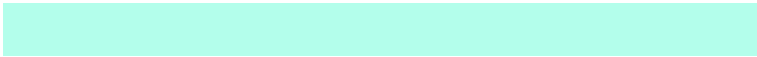
The Sweet Spot groups the original color and five complimentary colors.



80, 30.709, 282.230



94, 9.144, 279.032



95, 26.902, 176.633



49, 6.365, 279.224



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, 30.709, 282.230



77, 36.797, 283.278



77, 40.937, 302.147



50, 5.780, 279.098



29, 90.176, 301.076



6, 36.077, 296.273

Inverse Universe

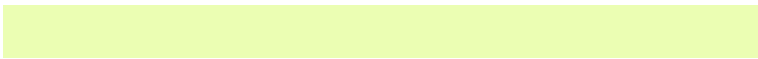
The Inverse Universe completely reimagines the original color for something new.



80, 29.809, 3.587



77, 35.771, 4.429



97, 38.418, 118.033



50, 5.513, 1.100



40, 73.062, 26.451



10, 31.754, 16.577

Previews

White Background



This preview shows how the CIELCh color 80, 30.710, 282.231 looks on a white background.

Color Contrast Check

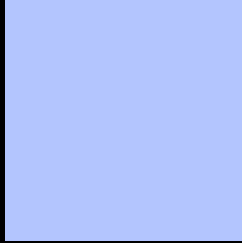
Large Text (above 18pt) WCAG AA × Fail

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, 30.710, 282.231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

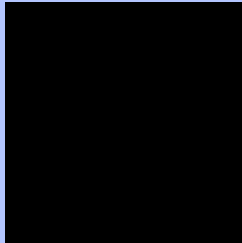
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 30.710, 282.231

Background



This preview shows how black text looks on a background with the CIELCh color 80, 30.710, 282.231.



This preview shows how white text looks on a background with the CIELCh color 80, 30.710, 282.231.

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

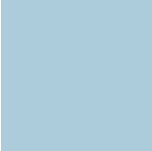
80, 30.710, 282.231

Protanopia

80, 30.537, 285.093

Deuteranopia

80, 32.017, 288.432



Tritanopia
80, 13.302, 238.878

Trichromacy



Original Color
80, 30.710, 282.231

Protanomaly
80, 30.572, 284.518

Deuteranomaly
80, 31.555, 286.033

Tritanomaly
80, 18.346, 263.779

Monochromacy



Original Color
80, 30.710, 282.231

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 10.884, 278.208

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 30.710, 282.231 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(179, 197, 254)` looks like.

```
.text, #text, p{  
    color:rgb(179, 197, 254)  
}
```

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(179, 197, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 197, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 30.710, 282.231 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(179, 197, 254) }
```

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

```
.border{ border-color:rgb(179, 197, 254) }
```

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

Here you see how a box with a 4 pixel rgb(179, 197, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 197, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 197, 254);  
box-shadow:4px 4px 4px 4px rgb(179, 197,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 30.710, 282.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 197, 254) }
```

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

```
.background{ background-color: rgb(179,  
197, 254) }
```

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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