

Converting Colors

CIELCh(80, 41.869, 223.877)

Have a look what the booklet for
CIELCh(80, 41.869, 223.877)
contains.

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Color

CIELCh(80, 41.811, 223.924)

Conversions

Conversions Part 1

Format	Color
Hex	28D8FB
RGB	40, 216, 251
RGB Percent	16%, 85%, 98%
CMY	0.8443, 0.1518, 0.0146
CMYK	0.84, 0.14, 0.00, 0.01
HSL	190°, 97%, 57%
HSV	190°, 84%, 99%
XYZ	42.9467, 56.6813, 100.1784
YIQ	167.3660, -116.1310, -26.4270

Conversions

Conversions Part 2

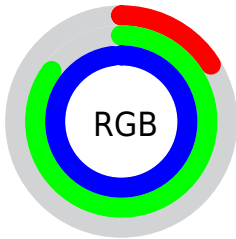
Format	Color
R_{YB}	40, 136, 251
Decimal	2676987
CIE _{Lab}	80.00, -30.11, -29.00
CIE _{LCh}	80, 41.811, 223.924
Yxy	56.6813, 0.2149, 0.2837
Android (android.graphics.Color)	4280867067 (0xFF28D8FB)
YUV	167.3660, 41.2316, -111.7000
Hunter-Lab	75.2870, -29.9286, -26.1916

Details

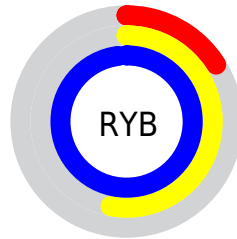
The CIELCh color **80, 41.811, 223.924** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **58, 86.650, 41.190**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.485, 197.121**, and **61, 35.457, 229.154** is the 20% darker color. If you saturate the color by 10%, you get **79, 42.763, 226.812**, and if you desaturate by 10%, it is **82, 40.011, 221.596**.

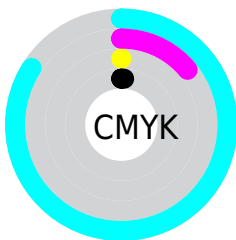
Distribution



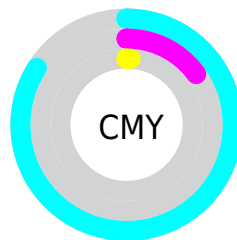
- Red (16%)
- Green (85%)
- Blue (98%)



- Red (16%)
- Yellow (53%)
- Blue (98%)



- Cyan (84%)
- Magenta (14%)
- Yellow (0%)
- Black (1%)





- Cyan (84%)
- Magenta (15%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 41.811, 223.924 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, 41.811, 223.924 by changing the saturation by 10% instead.


 80, 41.811,
223.924


 80, 41.811,
223.924


 100, 41.811,
223.924


 70, 41.811,
223.924

 60, 41.811,
223.924

 50, 41.811,
223.924

 40, 41.811,
223.924

 30, 41.811,
223.924

 20, 41.811,
223.924

 10, 41.811,

223.924

■ 0, 41.811, 223.924

■ 80, 41.811,
223.924

■ 80, 41.811,
223.924

■ 79, 42.763,
226.812

■ 82, 40.011,
221.596

■ 78, 43.065,
228.699

■ 83, 37.258,
219.775

■ 85, 33.533,
218.387

■ 87, 28.885,
217.358

■ 90, 23.406,
216.623

■ 92, 17.213,
216.125

■ 95, 10.428,
215.827

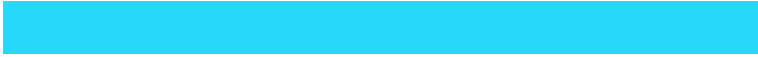
■ 98, 3.168, 215.792

■ 100, 1.291, 89.263

Harmonies

Complementary

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



80, 41.811, 223.924



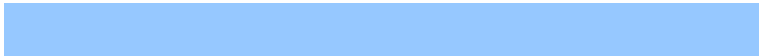
58, 86.650, 41.190

Rectangle

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



80, 41.811, 223.924



80, 41.811, 273.924



80, 41.811, 43.924



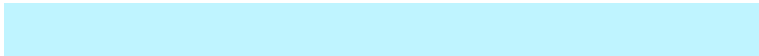
80, 41.811, 93.924

Sweetspot

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



80, 41.810, 223.924



93, 17.942, 216.158



87, 105.673, 139.497



49, 12.084, 216.315



0, 0.000, 0.000



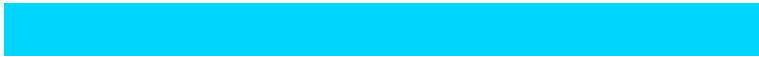
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80, 41.810, 223.924



79, 43.548, 228.727



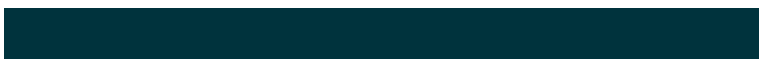
51, 79.667, 290.502



51, 4.210, 215.757



60, 34.720, 228.065



19, 15.742, 223.544

Inverse Universe

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



59, 97.583, 334.974



58, 101.317, 336.311



77, 75.436, 77.339



49, 7.945, 329.902



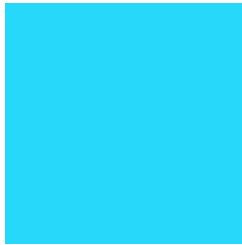
43, 80.980, 336.139



11, 37.230, 334.980

Previews

White Background



This preview shows how the CIE LCh color 80, 41.811, 223.924 looks on a white background.

Color Contrast Check

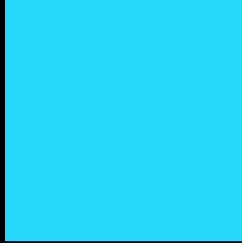
Large Text (above 18pt) WCAG AA × Fail

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, 41.811, 223.924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

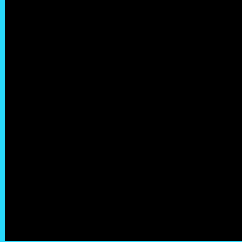
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 41.811, 223.924

Background



This preview shows how black text looks on a background with the CIELCh color 80, 41.811, 223.924.

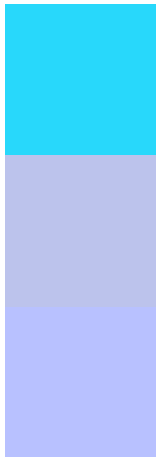


This preview shows how white text looks on a background with the CIELCh color 80, 41.811, 223.924.

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

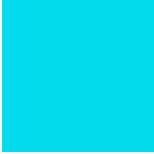
80, 41.751, 223.969

Protanopia

79, 21.955, 286.044

Deuteranopia

79, 33.152, 288.184



Tritanopia
80, 43.075, 209.706

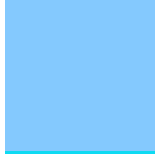
Trichromacy



Original Color
80, 41.751, 223.969



Protanomaly
79, 28.496, 245.860



Deuteranomaly
78, 33.655, 256.653

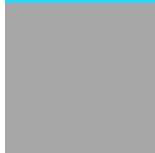


Tritanomaly
80, 42.554, 214.519

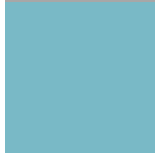
Monochromacy



Original Color
80, 41.751, 223.969



Achromatopsia
68, 0.008, 296.813



Achromatomaly
71, 21.497, 217.350

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 41.811, 223.924 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(40, 216, 251)` looks like.

```
.text, #text, p{  
    color:rgb(40, 216, 251)  
}
```

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(40, 216, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 216, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 41.811, 223.924 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(40, 216, 251) }
```

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

```
.border{ border-color:rgb(40, 216, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 216, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 216, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 216, 251);  
box-shadow:4px 4px 4px 4px rgb(40, 216,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 41.811, 223.924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 216, 251) }
```

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

```
.background{ background-color: rgb(40, 216,  
251) }
```

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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