

Converting Colors

CIELCh(80, 34.827, 242.169)

Have a look what the booklet for
CIELCh(80, 34.827, 242.169)
contains.

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Color

CIELCh(80, 34.875, 241.912)

Conversions

Conversions Part 1

Format	Color
Hex	70D2FF
RGB	112, 210, 255
RGB Percent	44%, 82%, 100%
CMY	0.5613, 0.1769, 0.0005
CMYK	0.56, 0.18, 0.00, 0.00
HSL	199°, 100%, 72%
HSV	199°, 56%, 100%
XYZ	47.7115, 56.6813, 102.9273
YIQ	185.8280, -72.8530, -6.7810

Conversions

Conversions Part 2

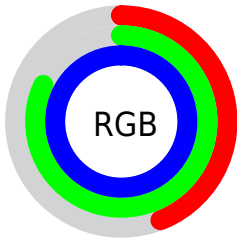
Format	Color
RYB	112, 170, 255
Decimal	7394047
CIELab	80.00, -16.42, -30.77
CIElCh	80, 34.875, 241.912
Yxy	56.6813, 0.2301, 0.2734
Android (android.graphics.Color)	4285584127 (0xFF70D2FF)
YUV	185.8280, 34.1018, -64.7472
Hunter-Lab	75.2870, -18.6316, -28.3564

Details

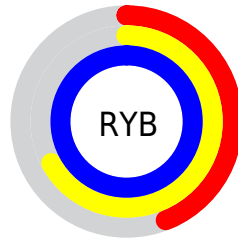
The CIELCh color **80, 34.875, 241.912** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **74, 50.454, 50.280**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 25.937, 197.818**, and **60, 34.889, 242.393** is the 20% darker color. If you saturate the color by 10%, you get **77, 39.310, 244.908**, and if you desaturate by 10%, it is **83, 29.814, 239.498**.

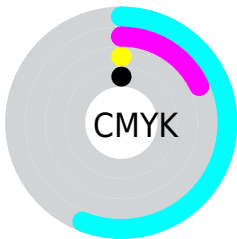
Distribution



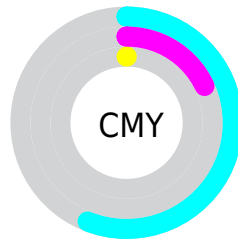
- Red (44%)
- Green (82%)
- Blue (100%)



- Red (44%)
- Yellow (67%)
- Blue (100%)



- Cyan (56%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (18%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 34.875, 241.912 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, 34.875, 241.912 by changing the saturation by 10% instead.


 80, 34.875,
241.912


 80, 34.875,
241.912


 100, 34.875,
241.912


 70, 34.875,
241.912

 60, 34.875,
241.912

 50, 34.875,
241.912

 40, 34.875,
241.912

 30, 34.875,
241.912

 20, 34.875,
241.912

 10, 34.875,

241.912

0, 34.875, 241.912

80, 34.875,
241.912

80, 34.875,
241.912

77, 39.310,
244.908

83, 29.814,
239.498

74, 43.142,
248.566

87, 24.163,
237.575

71, 46.473,
252.920

90, 17.990,
236.055

69, 49.491,
257.906

94, 11.376,
234.864

68, 50.669,
259.906

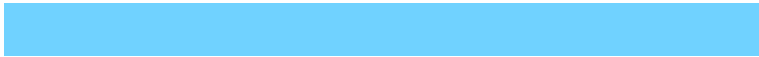
98, 4.405, 233.990

100, 0.052,

Harmonies

Complementary

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



80, 34.875, 241.912



74, 50.454, 50.280

Rectangle

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



80, 34.875, 241.912



80, 34.875, 291.912



80, 34.875, 61.912



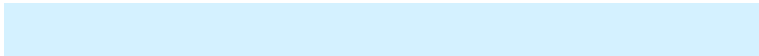
80, 34.875, 111.912

Sweetspot

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



80, 34.874, 241.911



94, 11.988, 234.958



90, 70.031, 148.631



49, 7.981, 235.179



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, 34.874, 241.911



77, 39.691, 245.207



61, 64.207, 290.442



51, 4.075, 234.242



52, 40.447, 258.932



16, 17.547, 251.797

Inverse Universe

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



68, 69.531, 339.563



63, 79.589, 340.818



90, 58.701, 93.602



50, 7.264, 335.515



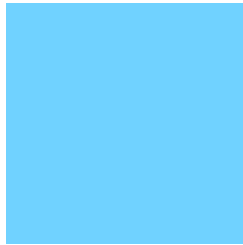
42, 73.638, 346.035



11, 34.711, 343.256

Previews

White Background



This preview shows how the CIELCh color 80, 34.875, 241.912 looks on a white background.

Color Contrast Check

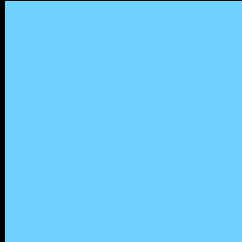
Large Text (above 18pt) WCAG AA × Fail

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, 34.875, 241.912 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

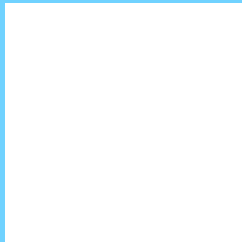
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 34.875, 241.912

Background



This preview shows how black text looks on a background with the CIELCh color 80, 34.875, 241.912.

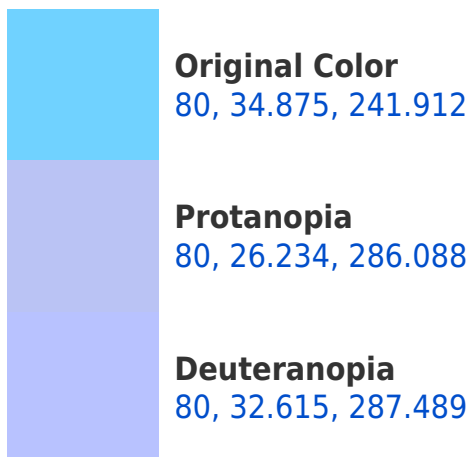


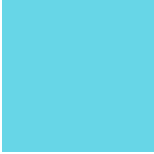
This preview shows how white text looks on a background with the CIELCh color 80, 34.875, 241.912.

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





Tritanopia
80, 32.439, 213.742

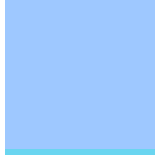
Trichromacy



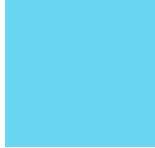
Original Color
80, 34.875, 241.912



Protanomaly
79, 28.058, 265.653



Deuteranomaly
79, 31.426, 268.917



Tritanomaly
80, 32.554, 224.064

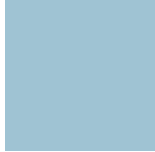
Monochromacy



Original Color
80, 34.875, 241.912



Achromatopsia
76, 0.009, 296.813



Achromatomaly
77, 14.624, 234.888

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 34.875, 241.912 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(112, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 210, 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(112, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 210, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 34.875, 241.912 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(112, 210, 255) }
```

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

```
.border{ border-color:rgb(112, 210, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 210,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 34.875, 241.912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 210, 255) }
```

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

```
.background{ background-color: rgb(112,  
210, 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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